| | DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD | | FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF |
|------------------------|--|-----|--|
| EEE | DDD DDD | DDD | FFF |
| ĔĔĒ | DDD | DDD | FFF |
| EEE | DDD DDD | DDD | FFF FFF |
| EEE | DDD | DDD | FFF |
| ÉÉÉÉEEEEEEEE | DDD DDD | DDD | FFFFFFFFFFF |
| EEEEEEEEEEE | DDD DDD | DDD | FFFFFFFFFF FFF |
| ÉEÉ | DDD | DDD | FFF |
| EEE | DDD DDD | DDD | FFF FFF |
| ĒĒĒ | DDD | DDD | FFF |
| EEE EEEEEEEEEEEEEEE | | DDD | FFF FFF |
| EEEEEEEEEEEEE | | | FFF FFF |

| EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE | DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD | FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF | VV | RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR | •••• |
|--|--|--|--|--|------|
| | | \$ | | | |

ED VO

0005 0006

0008

0009 0010 0011

0012

0014

0015 0016

0017

0018

0019 0020

0021

0023

0031 0032

0033

0034 0035

0036 0037

0038 0039

0040 0041

0042

0044 0045

0046 0047

0048

0049 0050

0052

Source Listing

[IDENT ('VO4-000').

(**

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FACILITY: VAX/VMS EDF (EDIT/FDL) UTILITY

ABSTRACT: This facility is used to create, modify, and optimize

FDL specification files.

ENVIRONMENT: NATIVE/USER MODE

AUTHOR: Ken f. Henderson Jr.

CREATION DATE: 27-Mar-1981

MODIFIED BY:

RRB0009 Rowland R. Bradley 22 Jan Enhancement for display of # buckets in Index, 22 Jan 1984 V03-010 RRB0009 # of Pages to cache index, and average # key exams.

V03-009 KFH0009 Ken Henderson 10 Sep 1983 Support for named UICs.

V03-008 KFH0008 8 Aug 1983 Ken Henderson Changes for seperate compilation.

V03-007 KFH0007 Ken Henderson 26 Apr 1983 Added FOUND O, PRIMARY INDEX BUCKETS. Added a bunch of initial values; to reduce the code in INIT EDITOR.

Added SEC_ATTR, NUMBER_KEYS_SET.

0003

ED VO

| EDF VAR V04-000 | Source | Listing | 16-Sep-1984 0 5-Sep-1984 1 | 3:39:37 | VAX-11 Pascal V2.4-277 Page DISK\$VMSMASTER:[EDF.SRC]EDFVAR.PAS;1 (1) | 2 |
|--|---------|---|--|---------|---|---|
| 0058 0059 0060 0061 0062 0063 0064 0065 0066 0067 0068 0069 0070 0071 0072 0073 0074 0075 0076 0077 | v03-006 | KFH0006 Ker Added SET FUNCTION, GRANULARITY, PROMPI JOURNAL_FILE, JOURN SUPPORT FOR SEGMENT | Henderson ING, RESPONSES, NAL_ENABLED, TED_keys. | 14 Apr | 1983 | |
| 0064 0065 0066 0067 | v03-005 | | . Henderson | 31 Jan | 1983 | |
| 0068 0069 0070 0071 | v03-004 | KFH0004 Ker Removed DASH, and a DEPTHPOINT_LEFT,_MI | n Henderson added ID,_RIGHT. | 20 Jan | 1983 | |
| 0072 0073 0074 0075 | v03-003 | KFH0003 Ker Consolidated many m into the xDATA arra | n Henderson main variables mys. | 8 Sept | 1982 | |
| 0076 0077 0078 | v03-002 | KFH0002 Ker Added EDF\$GL_SECNUM | n Henderson 4. | 2 April | 1982 | |
| 0079 0080 0081 0082 | v03-001 | KFH0001 Ker Took out EDITFDL. | n Henderson | 23-Mar- | 1982 | |

```
ED
VO
```

```
16-Sep-1984 00:42:36
5-Sep-1984 13:39:37
V04-000
                                                  Source Listing
                         ENVIRONMENT ('LIBS:EDFVAR').
0086
0087
                         INHERIT (
0088
0089
                         'SYS$LIBRARY:STARLET',
0090
                         'SHRLIBS: FDLPARDEF'.
                         'LIBS: EDF CONST',
0091
0092
                         'LIBS: EDFSTRUCT'
0093
0094
0095
                         )]
0096
0097
                         MODULE EDFVAR:
0098
0099
                         VAR
0100
0101
0102
                               These are for the FDL file(s).
                               - }
0104
                               FDL_DEST
                                                                           : [VOLATILE] TEXT;
                                                                          : TEXT;
: [VOLATILE] TEXT;
: [VOLATILE] BOOLEAN := FALSE;
: STRING255;
0105
                              JOURNAL_FILE
JOURNAL_ENABLED
JOURNAL_FILENAME
INPUT_FILENAME_DESC
OUTPUT_FILENAME_DESC
ANALYSIS_FILENAME_DESC
RES_OUTPUT_FILENAME_DESC
DEFAULT_FICENAME_DESC
NL_DEV_DESC
ANALYSIS_SPECIFIED
ANALYSIS_ONLY
                               TT
0106
0107
0108
0109
                                                                           : DESCRIPTOR;
                                                                          : DESCRIPTOR;
: DESCRIPTOR;
: [VOLATILE] DESCRIPTOR;
0110
0111
0112
                                                                             DESCRIPTOR:
                                                                           : DESCRIPTOR:
0114
                                                                           : BOOLEAN := FALSE;
0115
0116
                                                                           : [VOLATILE] BOOLEAN := FALSE;
0118
0119
                               These are the main editing control variables.
                               While editing is true, we stay in the editor. Take_defaults is true if we're answering questions
0120
0121
0122
0123
0124
0125
0126
0127
0128
0130
                               automatically.
                               If no input is true, we skip the input fdl file operation. If auto tune is true, we don't do any output to the terminal, or expect any from it. It's all an automated Optimize scrip.
                               - }
                               EDITING
                                                              : [VOLATILE] BOOLEAN := FALSE;
                               TAKE DEFAULTS
NO_INPUT
                                                                 BOOLEAN := FALSE;
                                                                 BOOLEAN := FALSE
                                                               : [VOLATILE] BOOLEAN := FALSE;
                               AUTO_TUNE
0131
0132
0133
0134
0135
0136
0137
                               This is for outputting FDL to the terminal.
                               - }
                               SYSSOUTPUT_NAME
                                                               : [VOLATILE] STRING11 := 'SYS$OUTPUT:';
0138
0139
                               These indicate whether classes of errors were detected.
                               SYS$INPUT_ERROR
                                                              : [VOLATILE] BOOLEAN := FALSE;
: [VOLATILE] BOOLEAN := FALSE;
0140
                               RMS INPUTERROR
0141
```

EDFVAR

K 6

VAX-11 Pascal V2.4-277

DISKSVMSMASTER: [EDF.SRC]EDFVAR.PAS:1 (2)

```
6
                                                                                                      16-Sep-1984 00:42:36
5-Sep-1984 13:39:37
EDFVAR
                                                                                                                                            VAX-11 Pascal V2.4-277 Page DISK$VMSMASTER:[EDF.SRC]EDFVAR.PAS;1 (2)
V04-000
                                                    Source Listing
                                RMS_OUTPUT_ERROR
CONTROL_ZEE_TYPED
MAIN_CTRLZ
MAIN_LEVEL
QUESTION_TYPED
                                                                : [VOLATILE] BOOLEAN := FALSE;
: [VOLATILE] BOOLEAN := FALSE;
: [VOLATILE] BOOLEAN := FALSE;
: [VOLATILE] BOOLEAN := TRUE;
: [VOLATILE] BOOLEAN := FALSE;
0142
0143
0144
0145
0146
0147
0148
0149
                                This is for graphing.
0150
                                - }
                                                               : XY_PLOT_TYPE;
: XY_PLOT_TYPE;
: XY_ARRAY_TYPE;
: XY_ARRAY_TYPE;
: PACKED_ARRAY_[O..(BKT$C_MAXBKTSIZ-1)] OF BYTE;
0151
0152
0153
0154
0155
                                XY PLOT COEOR_PLOT
                                XY ARRAY
COEOR_ARRAY
                               COLOR ARRAY
COLOR ROW
BREAKPOINT LEFT
BREAKPOINT MID
BREAKPOINT RIGHT
DEPTHPOINT LEFT
DEPTHPOINT RIGHT
EXAMPOINT RIGHT
EXAMPOINT RIGHT
NUMPOINT RIGHT
NUMPOINT RIGHT
NUMPOINT RIGHT
PAGEPOINT RIGHT
PAGEPOINT RIGHT
PAGEPOINT RIGHT
CURRENT GRAPH INDEX
LAST GRAPH INDEX
0156
                                                                   INTEGER:
0157
                                                                   INTEGER:
0158
                                                                   INTEGER:
0159
                                                                   INTEGER:
0160
                                                                   INTEGER:
0161
                                                                   INTEGER:
0162
                                                                   INTEGER:
0163
                                                                   INTEGER:
0164
                                                                   INTEGER:
0165
                                                                   INTEGER:
0166
                                                                   INTEGER:
0167
                                                                   INTEGER:
0168
                                                                   INTEGER:
0169
                                                                   INTEGER:
0170
                                                                   INTEGER:
0171
                                                                   INTEGER:
0172
0173
                                                                   INTEGER:
                                LAST GRAPH INDEX
                                                                   INTEGER:
0174
                                                                   INTEGER
                                Y_LABEL
0175
                                                                : STRING32:
0176
0177
0178
                                These are the 'width' arrays that indicate how long a particular keyword
0179
                                should be typed.
0180
                                - }
                                PRIMARY_WIDTH
0181
                                                                : PACKED ARRAY [PRIMARY_TYPE] OF BYTE; : PACKED ARRAY [SECONDARY_TYPE] OF BYTE;
                                SECONDARY WIDTH
0182
0183
0184
0185
                                This array stores the maximum value of the number-valued secondaries.
0186
0187
                                SECONDARY_MAX
                                                                : ARRAY [SECONDARY_TYPE] OF INTEGER;
0188
0189
                                This array stores the legal sequencing of Primaries as defined by the fDL Specification.
0190
0191
0192
0193
                                PRI_SEQ
                                                                : [VOLATILE] PACKED ARRAY [PRIMARY_TYPE] OF BYTE;
0194
0195
0196
                                These store the character sequences to set the video attribute modes
                                of the VT100 (and compatible) terminals.
0197
0198
```

EC

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5
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Page

```
M 6
                                                                                                                                         16-Sep-1984 00:42:36
5-Sep-1984 13:39:37
                                                                                                                                                                                            VAX-11 Pascal V2.4-277
EDFVAR
V04-000
                                                                     Source Listing
                                                                                                                                                                                            DISK$VMSMASTER: [EDF.SRC]EDFVAR.PAS; 1 (2)
                                                                                     : [VOLATILE] STRING4 := (''(27)'','[','0','m');

: STRING4 := (''(27)'','[','1','m');

: STRING4 := (''(27)'','[','4','m');

: STRING4 := (''(27)'','[','7','m');

: [VOLATILE] STRING4 := (''(27)'','[','7','m');
0199
                                           ANSI RESET
                                           ANSI_BOLD
ANSI_UNDERSCORE
ANSI_BLINK
0200
0201
0202
0203
                                           ANSI_REVERSE
0204
0205
                                           VID_STRING4
                                                                                      : STRING4:
                                                                                      : STRING4 := (''(0)'',''(0)'',''(0)'');
: STRING2 := ('''',''');
0206
0207
                                           NULE STRING4
EMPTY STRING
                                                                                     : [VOLATILE] STRING4 :=
(''(9)''''(0)'',''(0)'');
: [VOLATILE] STRING6 :=
(''(13)'',''(10)'',''(9)'',''(0)'',''(0)'');
: STRING3;
0208
0209
                                           SHIFT
0219
0210
0211
0212
0213
0214
0215
0216
                                           CRLF_SHIFT
                                           LOW_SHIFT
                                                                                      : CHAR := (''(0)''):
                                           NULL_CHAR
                                           This is the terminal and screen database.
0218
                                           - }
0219
                                           TAB
                                                                                      : CHAR := (''(9)'');
                                                                                     : CHAR := (''(9)'');
: [VOLATILE] CHAR := (''(27)'');
: CHAR := (''(39)'');
: CHAR := (''(23)'');
: [VOLATILE] CHAR := (''(26)'');
: [VOLATILE] CHAR := (''(63)'');
: [VOLATILE] CHAR;
: CHAR := (''(7)'');
: [VOLATILE] STRING2 := (''(13)'',''(10)'');
                                           ESCAPE
0221
0222
0223
                                           APOSTROPHE
                                           CONTROL W
0224
0225
02227
02228
02230
02233
02233
02233
02233
02233
02233
02233
02233
02233
02233
02233
                                           QUESTION MARK
                                           ERR_CHARTCONTROL_G
                                           CRLF
                                           TERMINAL TYPE TERMINAL SPEED
                                                                                     : BYTE;
: INTEGER;
                                           ANSI_CRT
                                                                                      : BOOLEAN := FALSE;
                                                                                      : [VOLATILE] BOOLEAN := FALSE;
                                           DEC_CRT
DEV_TYPE
                                                                                      : BOOLEAN := FALSE;
                                                                                      : INTEGER;
                                           VIDEO_TERMINAL
                                                                                      : BOOLEAN := FALSE;
                                                                                     : BOULEAN := FALSE;

: INTEGER;

: [VOLATILE] SCR1$TYPE;

: [VOLATILE] TEMP_VARYING;

: [VOLATILE] INTEGER := 1;

: [VOLATILE] INTEGER := 0;

: [VOLATILE] FDL2$TYPE;

: [VOLATILE] FDL3$TYPE;
                                           VID_TERM
                                           SCREEN_FLAGS
                                           OUT_LINE
                                           CHFFLAGS
0240
                                           FLAGS
                                          TEMP_FDL3$TYPE
LINE_WIDTH
LINES_PER_PAGE
DEST_IS_TERMINAL
LINES_SHOWN
MINIMUM_TERM_WIDTH
MINIMUM_VIDEO_PAGE
SCROLLING_SET_
FULL_PROMPT
0241
                                                                                         INTEGER;
[VOLATILE] INTEGER;
[VOLATILE] BOOLEAN;
[VOLATILE] INTEGER;
INTEGER := 80;
INTEGER := 24;
[VOLATILE] BOOLEAN := FALSE;
0242
0243
0244
0245
0246
0247
0248
                                          FULL_PROMPT
TEMP_FULL_PROMPT
OPIG_TIME
QUAD_TIME
0249
0250
0251
0252
0253
                                                                                      : BOOLEAN := TRUE;
: [VOLATILE] BOOLEAN := FALSE;
                                                                                      : REAL;
: QUADWORD;
 0254
                                           DEFAULT_PRIMARY
                                                                                      : PRIMARY_TYPE := FILE$;
0255
                                           DEFAULT_PRINUM
                                                                                      : INTEGER := 0:
```

```
6
                                                                                                                                                                                                                                                                                                                                                                                                16-Sep-1984 00:42:36
5-Sep-1984 13:39:37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                VAX-11 Pascal V2.4-277 Page DISK$VMSMASTER:[EDF.SRC]EDFVAR.PAS;1 (2)
EDFVAR
                                                                                                                                                                                               Source Listing
 V04-000
0256
0257
0258
0259
0261
0263
0264
02667
0268
                                                                                                                      COL_ONE
LINE_ONE
LOWER_LINE
PROMPT_LINE
                                                                                                                                                                                                                                   : INTEGER := 1;
: [VOLATILE] INTEGER := 1;
: INTEGER := 17;
: INTEGER := 23;
                                                                                                                       PARAM_BLOCK
                                                                                                                                                                                                                                           : [VOLATILE]TPA$TYPE;
                                                                                                                                                                                                                                         : STRING22 := ' Secondary Attributes ';
: STRING6 := 'EDFHLP';
: STRING40 :=
                                                                                                                      SEC_ATTR
EDFALP_STRING
IDENT_STRING
                                                                                                                                                                                                                                                                                                                                                                                                                                               VAX-11 FDL Editor':
                                                                                                                     IDENT_STRING_LENGTH : INTEGER := 40;
QUES_RINT : STRING31 := '(Type ''?'' for list of Keywords)';
EDF_READER : STRING19 := 'VAX-11 FDL Editor';
CONTINUE_TEXT : STRING45 :=

'Press_RETURN to continue (^Z for Main Menu) ';
ISTATUS : [VOLATILE] INTEGER;
FAR_DUMMY : FAR_DID.
0269
0270
0270
0271
0272
0273
0274
0275
0276
                                                                                                                      FAB DUMMY
RAB DUMMY
                                                                                                                                                                                                                                             : FAB_PTR;
: FAB_PTR;
                                                                                                                                                                                                              : [VOLATILE] ^FDL TYPE;
: [EXTERNAL, VOLATILE] INTEGER;
                                                                                                                      FDL_BLOCK FDLSAL_BLOCK
0278
0279
                                                                                                                 EDF$GL_SECNUM
EDF$GL_PROT_MASK
EDF$GL_FID1
EDF$GL_FID2
EDF$GL_FID3
EDF$GL_SPARET
EDF$AB_STRING
EDF$AB_STRING
EDF$AB_UIC_TABLE_KEY
EDF$AB_UIC_TABLE_KEY
EDF$AB_FID_TABLE_KEY
EDF$AB_FID_TABLE_STA
EDF$AB_PRIMARY_TABLE_STA
EDF$AB_PRIMARY_TABLE_STA
EDF$AB_ACCESS_TABLE_STA
EDF$AB_ACCCESS_TABLE_STA
EDF$AB_ACCCESS_TABLE_STA
EDF$AB_ACCCESS_TABLE_STA
EDF$AB_ACCCESS_TABLE_STA
EDF$AB_ACCCESS_TABLE_STA
EDF$AB_ACCCESS_TABLE_STA
EDF$AB_ACCCESS_TABLE_STA
EDF$AB_ACCCESS_TABLE_STA
EDF$AB_ACCCESS_TABLE_STA
EDF$AB_ACCCESS_TAB
EDF$AB_ACCCESS_TAB
EDF$AB_ACCCESS_TAB
EDF$AB_ACCCESS_TAB
EDF$AB_ACCCESS
                                                                                                                                                                                                                                                                                                                                                 : [FXTERNAL, VOLATILE] LONG; : [EXTERNAL] CTRL_ARRAY;
0280
0281
0282
0283
                                                                                                                                                                                                                                                                                                                                                            CEXTERNAL, VOLATILE] LONG;
                                                                                                                                                                                                                                                                                                                                                : [EXTERNAL, VOLATILE] LONG
                                                                                                                                                                                                                                                                                                                        : [EXTERNAL, VOLATILE] LONG;
                                                                                                                                                                                                                                                                                                                                               : [EXTERNAL, VOLATILE]
0284
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LONG:
0285
0286
0287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DESCRIPTOR;
0288
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DESCRIPTOR;
0289
0290
0291
0292
0293
0297
0296
0297
0298
0299
0300
  0301
  0302
  0303
0304
0305
 0306
0307
0308
  0309
0310
   0311
                                                                                                                                                                                                                                                                                                                           : [EXTERNAL, VOLATILE] LONG;
```

```
B 7
16-Sep-1984 00:42:36
5-Sep-1984 13:39:37
     EDFVAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                VAX-11 Pascal V2.4-277
                                                                                                                                                                EDF$AB_SHARING_TABLE_KEY
EDF$AB_SHARING_TABLE_KEY
EDF$AB_SYSTEM_TABLE_STA
EDF$AB_SYSTEM_TABLE_STA
EDF$AB_POSIT_TABLE_STA
EDF$AB_POSIT_TABLE_STA
EDF$AB_POSIT_TABLE_STA
EDF$AB_PROT_TABLE_STA
EDF$AB_PROT_TABLE_STA
EDF$AB_ORG_TABLE_STA
EDF$AB_ORG_TABLE_STA
EDF$AB_SOURCE_TABLE_STA
EDF$AB_SOURCE_TABLE_STA
EDF$AB_SOURCE_TABLE_STA
EDF$AB_CARR_TABLE_STA
EDF$AB_CARR_TABLE_STA
EDF$AB_FORMAT_TABLE_KEY
EDF$AB_FORMAT_TABLE_KEY
EDF$AB_TYPE_TABLE_STA
EDF$AB_LOAD_METHOD_TABLE_STA
EDF$AB_LOAD_METHOD_TABLE_STA
EDF$AB_UATABLE_STA
EDF$AB_UATABLE_STA
EDF$AB_UATABLE_STA
EDF$AB_UATABLE_STA
EDF$AB_UATABLE_STA
EDF$AB_UATABLE_STA
EDF$AB_UATABLE_KEY
EDF$AB_SURFACE_OPTION_TABLE_STA
EDF$AB_SURFACE_OPTION_TABLE_STA
EDF$AB_SURFACE_OPTION_TABLE_STA
EDF$AB_SURFACE_OPTION_TABLE_STA
EDF$AB_SURFACE_OPTION_TABLE_STA
EDF$AB_SURFACE_OPTION_TABLE_STA
EDF$AB_SURFACE_OPTION_TABLE_STA
EDF$AB_SURFACE_OPTION_TABLE_STA
EDF$AB_SET_FUNCTION_TABLE_STA
EDF$AB_SET_FUNCTION_TABLE_STA
EDF$AB_SET_FUNCTION_TABLE_STA
EDF$AB_SET_FUNCTION_TABLE_STA
EDF$AB_SET_FUNCTION_TABLE_STA
EDF$AB_SET_FUNCTION_TABLE_STA
EDF$AB_SET_FUNCTION_TABLE_STA
EDF$AB_SET_FUNCTION_TABLE_STA
EDF$AB_SET_FUNCTION_TABLE_STA
EDF$AB_RESPONSES_TABLE_STA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    S-Sep-1984 13:39:3

: [EXTERNAL, VOLATILE] LONG;
    V04-000
                                                                                                                                                                                                                                                                         Source Listing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DISK$VMSMASTER:[EDF.SRC]EDFVAR.PAS:1 (2)
0514
0516
0516
0516
0518
0519
0522
0523
0525
0525
 0326
0327
 0328
0329
0330
0331
0332
  0333
  0334
  0335
0336
0337
 0338
 0339
0340
0341
0342
0343
0344
0345
0346
0347
0348
0350
0351
  0352
 0353
 0354
 0355
0356
0357
                                                                                                                                                                       The following are the pointers to the Definition Linked List.
  0358
                                                                                                                                                                   DEF_CURRENT
DEF_SCRATCH
DEF_HEAD
DEF_TAIL
DEF_SUCC
DEF_PRED
                                                                                                                                                                                                                                                                                                                                       : [VOLATILE] ^LINE_OBJECT := NIL;
  0359
  0360
  0361
 0362
 0364
0365
  0366
 0367
0368
                                                                                                                                                                       These point to the analysis linked list.
  0369
                                                                                                                                                                      DEF_ANL_HEAD
                                                                                                                                                                                                                                                                                                                                        : ^LINE_OBJECT := NIL;
```

EDF VO4

```
16-Sep-1984 00:42:36
5-Sep-1984 13:39:37
EDFVAR
                                                                                                                                                    VAX-11 Pascal V2.4-277 Page DISK$VMSMASTER:[EDF.SRC]EDFVAR.PAS;1 (2)
V04-000
                                                      Source Listing
                                 DEF_ANL_TAIL
DEF_SAVE_HEAD
DEF_SAVE_TAIL
                                                                   : ^LINE_OBJECT := NIL;
: ^LINE_OBJECT := NIL;
: ^LINE_OBJECT := NIL;
0372
0373
0374
                                  POINTING_AT_DEFINITION
                                                                                 : BOOLEAN := TRUE;
0375
0376
                                  FILE_CREATED
                                                                                 : [VOLATILE] BOOLEAN := FALSE:
0377
0378
0379
                                  These are used for input string processing.
0380
                                  - }
                                 INPUT_DESC
INPUT_STRING
INPUT_VALUE
0381
                                                                  : [VOLATILE] DESCRIPTOR;
: [VOLATILE] STRING255;
0382
0383
                                                                  : INTEGER:
0384
                                  INPUT_NUMBER
                                                                   : INTEGER:
0385
0386
                                  QUAD_DESC
                                                                    : [VOLATILE] RECORD
                                                                          CASE QUHICH : QD SWITCH OF QWORD : (TWOLONG : PACKED RECORD
0387
0388
0389
                                                                                                    L1,L2 : LONG
0390
                                                                                                   END);
0391
                                                                                              : (DSC : DESCRIPTOR)
0392
0393
                                                                          END:
0394
0395
                                  ACTIVE CALCULATION DATABASE.
0396
                                  - }
0397
                                  LINKED
                                                                                 : BOOLEAN:
                                 ACTIVE AREA
ACTIVE PRIMARY
0398
                                                                                 : INTEGER:
0399
                                ACTIVE PRIMARY
VARIABLE RECORDS
CUR MAX REC
BYTES PER BUCKET
BUCKET DEFAULT
PRIMARY INDEX BUCKETS
INIT PRIMARY BUCKETS
ADDED PRIMARY BUCKETS
INIT RUMBER BUCKETS
ADDED NUMBER BUCKETS
RECS PER BUCKET
DEEPEST
                                                                                 : PRIMARY TYPE:
0400
                                                                                 : BOOLEAN:
0401
                                                                                 : INTEGER:
0402
                                                                                 : INTEGER:
0403
                                                                                 : INTEGER.
                                                                               : INTEGER;
: INTEGER;
: ARRAY [0..31] OF INTEGER;
0404
0405
0406
0407
0408
0409
                                  DEEPEST
0410
                                                                                 : INTEGER:
0411
                                  FIRST_PLOT
                                                                                 : BOOLEAN:
0412 0413
                                  OPTIMIZING
                                                                                 : BOOLEAN:
```

: BOOLEAN:

: BOOLEAN:

VISIBLE_QUESTION

WAIT HEEP

0414

EDI VO

VO4

111

111 111

111

114

114

114

114

111

```
16-Sep-1984 00:42:36
5-Sep-1984 13:39:37
EDFVAR
V04-000
                                    Source Listing
0416
0417
                      QTAB is the table that drives the Q+A routine - QUERY
0418
                      The xDATA arrays hold the main EDF database.
0419
QTAB
                                    : ARRAY [EDF$K_QTABSTART..EDF$K_QTABEND] OF QTAB_ENTRY;
                      QTAB OFFSET : INTEGER:
                      String descriptor elements
                      SDATA
                                    : ARRAY [EDF$k_SDATASTART..EDF$k_SDATAEND] OF DESCRIPTOR;
                      Real elements
                      - }
0431
0432
0433
0434
0435
                      RDATA
                                    : ARRAY [EDF$K_RDA/ASTART..EDF$K_RDATAEND] OF REAL;
                      ( +
                      Boolean elements
0436
                      BDATA
                                    : ARRAY [EDF$k_BDATASTART..EDF$k_BDATAEND] OF BOOLEAN;
0437
0438
0439
                      Integer elements
                      - }
0440
0441
                                    : ARRAY [EDF$K_IDATASTART..EDF$K_IDATAEND] OF INTEGER;
0442
0444
                      Valid (boolean) elements
0445
                      - }
                      VDĂTA
0446
                                    : ARRAY [EDF$K_VDATASTART..EDF$K_VDATAEND] OF BOOLEAN;
0447
0448
0449
                      Misc. scratch variables used during the Q+A.
0450
                      TEMP_STRING255
TEMP_DESCRIPTOR
QUERT_FLAG
0451
                                                       STRING255;
0452
                                                       CVOLATILE) DESCRIPTOR:
                                                       BOOLEAN;
                      LOW KEY
HIGH KEY
0454
                                                       INTEGER := 0;
0455
                                                        INTEGER := 0;
                      LOW AREA
HIGH_AREA
0456
                                                        INTEGER := 0;
0457
                                                        INTEGER := 0;
0458
                      FOUND AREA
                                                       BOOLEAN := FALSE;
0459
                      FOUND KEY
                                                       BOOLEAN := FALSE
0460
                      FOUND 0
                                                       BOOLEAN := FALSE;
                      MAX_KEY_SIZE
0461
                                                       INTEGER:
                      MINTKEYTSIZE
                                                       INTEGER:
ARRAY [0..7] OF BOOLEAN :=
0462
```

(FALSE, FALSE, FALSE, FALSE, FALSE, FALSE);
: ARRAY [0..7] OF INTEGER;
: ARRAY [0..7] OF INTEGER;

: INTEGER;

: INTEGER;

: INTEGER;

: INTEGER;

: INTEGER;

: INTEGER;

0463

0464 0465

0466

0467

0468

0469

0471

SEGMENT_WANTED

SEGMENT_LENGTH

SEGMENT_NUMBER

MIN_BUCKET

ENTRY SIZE

EXTRA

BUCKET_OVERHEAD

SEGMENT_POSITION

```
EDI
VO
```

```
16-Sep-1984 00:42:36
5-Sep-1984 13:39:37
EDFVAR
                                                                                                                           VAX-11 Pascal V2.4-277 Page 10 DISK$VMSMASTER: [EDF.SRC]EDFVAR.PAS; 1 (3)
V04-000
                                             Source Listing
0473
0474
0475
                                                                   : INTEGER;
                            CUR_MAX_FIXED
                           MAX_STRING_ANSWER_LENGTH
OLD_COUNT
GLOBAL_SET
NUMBER_KEYS_SET
ISAM_ORG
                                                                    : INTEGER:
                                                                      BOOLEAN:
0477
0478
0479
0480
                                                                     BOOLEAN := FALSE;
                                                                      BOOLEAN:
                            MAX REY POSITION
                                                                     INTEGER:
                            TEMP_REAL
TEMP_STATUS
TEMP_INT2
DEF
                                                                      REAL;
0481
                                                                     INTEGER:
                                                                    : INTEGER:
                                                                     INTEGER:
                                                                   : [VOLATILE]DESCRIPTOR;
: LINE_OBJECT;
: BOOLEAN;
                            NULL_STRING
TEST
0484
0485
0486
0487
                            FULL_CHOICE
0488
0489
                            This is the array of secondary value types.
0490
0491
0492
0493
0494
0495
0496
0497
                                                                   : [VOLATILE] PACKED ARRAY [SECONDARY_TYPE] OF PACKED RECORD
                            SEC_TYPE
                                                                                         STR
                                                                                                     : BOOLEAN;
                                                                                         NUM
                                                                                                     : BOOLEAN:
                                                                                         QUAL
                                                                                                     : BOOLEAN:
                                                                                         SW
                                                                                                     : BOOLEAN
                                                                              END:
0499
0500
0501
                            This is the template for line_objects generated by MAKE_SCRATCH.
0502
                            LINE_OBJECT_TEMPLATE
                                                                  : [VOLATILE] LINE_OBJECT;
```

VÕ4

Source Listing

0509 0510 0511

VALUE XINCLUDE 'SRCS: EDFVALUE.PAS' (++

> FILE: SRCS: EDFVALUE.PAS - Pascal include file to define initial values of selected top-level variables.

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FACILITY:

VAX/VMS EDF (EDIT/FDL) UTILITY

ABSTRACT:

This facility is used to create, modify, and optimize

FDL specification files.

ENVIRONMENT:

NATIVE/USER MODE

AUTHOR:

Ken f. Henderson Jr.

CREATION DATE: 27-Mar-1981

MODIFIED BY:

V03-009 KFH0009 Ken Henderson 10 Sep 1983

Support named UICs.

V03-008 KFH0008

9 Aug 1983 Ken Henderson

Fix max value of CLUSTER_SIZE.

Fix default of QTAB[TEST_PRIMARY].

V03-007 KFH0007 Ken Henderson fix SEC_TYPE table for audit_trail.

30 Jul 1983

Add DEFERRED_WRITE.

| EDFV VO4- | | | Source L | isting | 6 7 16-5 15-5 | p-1984 00 p-1984 22 | : 42 : 36 : 43 : 40 | VAX-11 Pascal V2.4-277 _\$255\$DUA28:[EDF.SRC]EDFVALUE.PAS;1 | Page (1) | 12 |
|--|------------------|---|----------|--|--|---------------------------------|------------------------|---|-------------|----|
| 0561 0563 0564 0565 | | | v03-006 | KFH0006 Fix various Transferred the EDFVAR d | Ken Henderson defaults in QTAB. some initializati eclarations. | ons to | 26 Apr | 1983 | | |
| 0563 05667 055667 055667 05577 05577 05577 05577 05583 0585 | | | v03-005 | KFH0005 Changed max Added ANALYS PROMPTING, S Added suppor | Ken Henderson bucketsize to 63 IS, OUTPUT, RESPO ET FUNCTION, GRAN t For SEGMENTED h | from 65. INSES, IULARITY. | 14 Apr | 1983 | | |
| 0573 0574 | | | v03-004 | KFH0004 Changed max | Ken Henderson bucketsize to 65 | from 127. | 7 Mar | 1983 | | |
| 0576 0577 | | | v03-003 | KFH0003 Added initia | Ken Henderson Lization of VDATA | and BDAT | 11 Sept A. | 1982 | | |
| 0579 0580 | İ | | v03-002 | | Ken Henderson lization of QTAB. | • | 9 Sept | 1982 | | |
| 0583 0584 0585 | 1 1 1 1 |) | v03-001 | | Ken Hendersor erence to EDITFDL | | 23-Mar- | 1982 | | |

```
16-Sep-1984 00:42:36
15-Sep-1984 22:43:40
EDF VAR
VO4-000
                                                                                                                                       VAX-11 Pascal V2.4-277 Page 13
$255$DUA28:[EDF.SRC]EDFVALUE.PAS:1 (2)
                                                 Source Listing
0588
0588
05591
05591
05594
05597
                               Initialize the Boolean-array to all false.
                              BDATA
                                                 FALSE.
                                                  FALSE.
                                                  FALSE.
                                                 FALSE.
                                                 FALSE.
                                                  FALSE.
                                                  FALSE.
0598
0599
                                                 FALSE.
                                                 FALSE.
0600
                                                 FALSE.
0601
                                                 FALSE.
0603
                                                 FALSE.
                                                 FALSE.
0604
                                                 FALSE.
0605
                                                 FALSE.
0606
                                                 FALSE.
0607
                                                 FALSE.
0608
                                                 FALSE.
0609
                                                 FALSE.
0610
                                                 FALSE.
0611
                                                 FALSE,
0612
                                                 FALSE.
                                                 FALSE.
0614
                                                 FALSE.
0615
                                                 FALSE
0616
                                                 );
0618
0619
                               Initialize the String-array to all null-string.
                              - }
SDATA
0650
0621
0622
0623
                                     (O,DSC$K_DTYPE_T,DSC$K_CLASS_D,NIL),
(O,DSC$K_DTYPE_T,DSC$K_CLASS_D,NIL),
(O,DSC$K_DTYPE_T,DSC$K_CLASS_D,NIL),
(O,DSC$K_DTYPE_T,DSC$K_CLASS_D,NIL),
(O,DSC$K_DTYPE_T,DSC$K_CLASS_D,NIL),
(O,DSC$K_DTYPE_T,DSC$K_CLASS_D,NIL)
0624
0625
0626
0627
0628
0629
0630
                                                 ):
0631
0633
                               Initialize the Valid-array to all false.
0634
                               - }
0635
                               VDATA
                                                  ; = (
0636
                                                 FALSE.
0637
                                                 FALSE.
0638
                                                  FALSE.
0639
                                                  FALSE,
0640
                                                  FALSE.
0641
                                                  FALSE.
0642
                                                  FALSE.
                                                 FALSE.
```

EDF VO4

| EDF VAR V04-000 | Source Listing | 15-5-0-1984 00:42:36 15-5-0-1984 22:43:40 | VAX-11 Pascal V2.4-277 _\$255\$DUA28:[EDF.SRC]EDFVALUE.PAS;1 | Page (2) | 14 |
|--|--|--|---|-------------|----|
| 0644 1 0645 1 0647 1 0648 1 0649 1 0650 1 0651 1 0652 1 0653 1 0654 1 0655 1 0656 1 0665 1 0665 1 0666 1 0666 1 0666 1 0666 1 0666 1 0666 1 0666 1 0667 1 0670 0671 1 0672 1 0673 1 0674 1 0675 1 0676 1 0676 1 0676 1 0676 1 0676 1 0680 1 0681 1 0685 1 0685 1 0685 1 0686 1 0685 1 0686 1 0687 1 0696 1 0697 1 0699 1 0699 1 0699 1 0696 1 0697 1 0696 1 0697 1 0696 1 0697 1 0696 1 0697 1 0696 1 0697 1 0696 1 0697 1 0696 1 0697 1 0696 1 0697 1 0696 1 0697 1 0698 1 0699 | FALSE. | | | |

```
EDI
VO4
```

```
EUFVAR
                                                                                           16-Sep-1984 00:42:36
15-Sep-1984 22:43:40
                                                                                                                                                                               Page 15 (2)
                                                                                                                            VAX-11 Pascal V2.4-277
 V04-000
                                              Source Listing
                                                                                                                             $255$DUA28. CEDF. SRCJEDFVALUE.PAS: 1
0701
0702
                             Initialize the sequencing array.
                            PRI_SEQ
0704
                                              := (
0705
                                                    15.
                                                                    ( DUMMY_PRIMARYS )
0706
0707
                                                                       ACCESS, )
ACL, )
ANALYSIS_OF_AREA, )
ANALYSIS_OF_KEY, )
AREA, )
                                                   8,
0708
                                                   13.
0709
0710
                                                   14.
0711
                                                                       AREA, }
CONNECT, }
0712
0713
                                                   10.
                                                                       DATE, )
FILES, )
IDENT, )
0714
0715
                                                                       JOURNAL. >
0716
0717
                                                   612.
                                                                       KEY, }
RECORDS.
0718
                                                                    C SHARING, )
C SYSTEM, )
C TITLE )
0719
0720
0721
0722
0723
0724
0725
                             Initialize the 'width' arrays - that indicate how long a particular
0726
0727
                             keyword should be printed.
0728
                            PRIMARY_WIDTH := (
0729
0730
                                                   0.
                                                                    { DUMMY_PRIMARY$ }
0731
0732
0733
                                                                       ACCESS, }
ACL, }
                                                   3,
16,
15,
                                                                       ANALYSIS_OF_AREA, }
ANALYSIS_OF_KEY, }
0734
0735
                                                                       AREA,
0736
0737
0738
                                                                       CONNECT. >
                                                                      DATE, }
FILES, }
0739
                                                                       IDENT. >
0740
                                                                       JOURNAL, }
0741
0742
                                                   6.
                                                                       RECORDS,
                                                                       SHARING, }
0744
                                                                    ( SYSTEM, )
                                                   6.
0746
0748
                            SECONDARY_WIDTH := (
0749
0750
                       { RESERVE 0 }
                                                   0.
                                                                    { DUMMY_SECONDARY$, }
0751
0752
0753
                       { ACCESS PRIMARY }
0754
0755
0756
0757
                                                                      BLOCK IO$ }
DELETE$ }
                                                   6.
                                                                    ( GET$ )
( PUT$ )
```

```
EDFVAR
                                                                                                                                         16-Sep-1984 00:42:36
15-Sep-1984 22:43:40
                                                                                                                                                                                             $255$DUA28:[EDF.SRC]EDFVALUE.PAS;1 (2)
                                                                                                                                                                                            VAX-11 Pascal V2.4-277
 V04-000
                                                                     Source Listing
 0758
0759
                                                                                                          RECORD_IO$ }
TRUNCATE$ }
                                                                                                       CUPDATES )
 0760
 0761
0762
0763
                                  { ACL PRIMARY }
 0764
                                                                             5.
                                                                                                      { ENTRY }
 0765
 0766
                                   { ANALYSIS_OF_AREA PRIMARY }
0767
                                                                                                       { RECLAIMED_SPACE }
 0768
0769
0770
                                   { ANALYSIS_OF_KEY PRIMARY }
                                                                                                          DATA_FILLS, }
DATA_KEY_COMPRESSION, }
DATA_RECORD_COMPRESSION, }
DATA_RECORD_COUNT, }
DATA_SPACE_OCCUPIED, }
DELETIONS, }
0771
                                                                             90379 95170967549
0772
0773
0774
0775
0776
0777
                                                                                                         DELETIONS, )
DEPTH, )
DUPLICATES PER SIDR, }
INDEX_COMPRESSION, }
INDEX_FILLS, }
INDEX_SPACE_OCCUPIED, }
LEVELT_RECORD_COUNT }
MEAN_DATA_LENGTH, }
MEAN_INDEX_LENGTH, }
RANDOM_ACCESSES, }
RANDOM_INSERTS, }
SEQUENTIAL_ACCESSES. }
0778
0779
0780
0781
0782
0783
0784
0785
0786
0787
                                                                                                       ( SEQUENTIAL_ACCESSES, )
0788
0789
                                  { AREA PRIMARY }
0790
                                                                                                         ALLOCATIONS, }
BEST TRY CONTIGUOUSS, }
BUCKET SIZES, }
CONTIGUOUSS, }
EXACT POSITIONINGS, }
EXTENSIONS, }
POSITIONS, }
0791
                                                                             10,
19,
11,
0792
0793
                                                                            10.
0794
0795
0796
0797
0798
                                                                                                       { VOLUMES, }
0799
0800
                                  { CONNECT PRIMARY }
0801
0802
0803
                                                                             12,
                                                                                                          ASYNCHRONOUS }
                                                                                                          BLOCK IO )
BUCKET CODE )
CONTEXT )
                                                                             81,
111,
111,
116,
116,
112,
0804
0805
                                                                                                         CONTEXT }
END_OF_FILE }
FILE_BUCKETS }
FAST_DELETE }
KEY_OF_REFERENCE }
KEY_GREATER_EQUAL }
KEY_GREATER_THAN }
KEY_LIMIT }
LOCATE_MODE }
LOCK_ON_READ }
0806
0807
0808
0809
0810
0811
0812
0814
```

EDI VO4

```
16-Sep-1984 00:42:36
15-Sep-1984 22:43:40
                                                                                                                                                                                                                                          VAX-11 Pascal V2.4-277
_$255$DUA28:[EDF.SRC]EDFVALUE.PAS;1
 EDFVAR
                                                                                                                                                                                                                                                                                                                                                      17
 V04-000
                                                                                     Source Listing
                                                                                                                                    LOCK_ON_WRITE }
MANUAL_UNLOCKING }
MULTIBEOCK_COUNT }
MULTIBUFFER_COUNT }
                                                                                                13.
16.
16.
17.
 0815
0816
 0817
 0818
 0819
                                                                                                6110544595 9146.
                                                                                                                                     NOLOCK >
                                                                                                                                    NONEXISTENT_RECORD >
READ_AHEAD >
PEAD_REGARDLESS >
 0820
 0821
0822
0823
                                                                                                                                   PEAD REGARDLESS }
TIMEOUT_ENABLE }
TIMEOUT_PERIOD }
TRUNCATE ON PUT }
TT_CANCEL_CONTROL_O }
TT_UPCASE_INPUT }
TT_PROMPT }
TT_PURGE_TYPE_AHEAD }
TT_READ_NOE!LTER }
 0824
 0825
 0826
 0827
 0828
 0829
 0830
                                                                                                                                ( TT_READ_NOFILTER )
{ UPDATE_IF }
{ WAIT_FOR_RECORD }
{ WRITE_BERIND }
0831
                                                                                                9.
15.
12.
0832
0833
0834
0835
0836
                                           { DATE PRIMARY }
0837
                                                                                                                                    BACKUP$, } CREATION$, }
0838
                                                                                                8,
10,
0839
                                                                                                                                    EXPIRATIONS, >
0840
0841
                                                                                                8.
                                                                                                                                ( REVISIONS, )
0842
0843
                                          { FILE PRIMARY }
0844
                                                                                                                                    ALLOCATION, }
BEST TRY CONTIGUOUS, }
BUCKET SIZE, }
CLUSTER SIZE, }
CONTEXTS }
CONTIGUOUS, }
                                                                                                10.
19.
11.
0845
0846
0847
0848
                                                                                                17191155 939034576 972
0849
                                                                                                                                   CONTIGUOUS, }
CREATE IF }
DEFAULT NAME, }
DEFERRED WRITE, }
DELETE ON CLOSE, }
DIRECTORY ENTRY, }
ERASE ON DELETE, }
EXTENSION, }
GLOBAL BUFFER COUNT, }
MT_BLOCK SIZE, }
MT_CURRENT POSITION, }
MT_NOT EOF ;
MT_PROTECTION, }
MT_OPEN REWIND, ;
MT_OPEN REWIND, ;
MT_CLOSE REWIND, ;
MAX_RECORD NUMBER, ;
MAXIMIZE_VERSION, ;
NAME, ;
0850
0851
0852
0853
0854
0855
0856
0857
0858
0859
 0860
 0861
0862
0863
0864
0865
0866
0867
0868
0869
0870
                                                                                                                                    NAME, )
NOBACKUP, )
NON FILE STRUCTURED )
OUTPUT FILE PARSE )
ORGANIZATION, )
 0871
```

EDF

VOZ

```
16-Sep-1984 00:42:36
15-Sep-1984 22:43:40
EDFVAR
                                                                                                                                                                                                                                                                                                                                                                                                         VAX-11 Pascal V2.4-277 Page 18 $255$DUA28:[EDF.SRC]EDFVALUE.PAS;1 (2)
 V04-000
                                                                                                                                                Source Listing
0872
0873
                                                                                                                                                                                                                              OWNER, )
PRINT_ON_CLOSE, )
                                                                                                                                                                                                                             PROTECTION, }
READ_CHECK, }
REVISION, }
SEQUENTIAL_ONLY }
SUBMIT_ON_CLOSE, }
SUPERSEDE, }
TEMPORARY, }
                                                                                                                                                                  10.
0874
0875
0876
0877
0878
                                                                                                                                                                 97.
0879
0880
                                                                                                                                                                                                                               TEMPORARY }
                                                                                                                                                                                                                              TRUNCATE ON CLOSE, > USER FILE OPEN > WINDOW_SIZE >
0881
0882
0883
                                                                                                                                                                14.
                                                                                                                                                                ii.
0884
                                                                                                                                                                                                                       ( WRITE_CHECK, )
0885
0886
                                                                        { JOURNALING PRIMARY }
0887
0888
                                                                                                                                                                                                                               AFTER_IMAGE, }
                                                                                                                                                                                                                      AFTER_NAME }
{ AUDIT_TRAIL, }
{ AUDIT_NAME }
{ BEFORE_IMAGE, }
{ BEFORE_NAME }
{ RECOVERY_UNIT, }
                                                                                                                                                                 10.
0889
                                                                                                                                                                11.
0890
                                                                                                                                                                 10,
12,
11,
13,
0891
0892
0893
0894
0895
0896
                                                                       { KEY PRIMARY }
0897
0898
                                                                                                                                                                                                                               CHANGES, }
                                                                                                                                                                7,9920,
10,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,10,17,1
                                                                                                                                                                                                                              DATA_AREA, }
DATA_FILL, }
DATA_KEY_COMPRESSION, }
0899
0900
0901
0902
                                                                                                                                                                                                                              DATA_RECORD_COMPRESSION, }
DUPLICATES, }
0903
                                                                                                                                                                                                                             INDEX_AREA, }
INDEX_COMPRESSION, }
INDEX_FILL, }
LEVELT_INDEX_AREA, }
NAME$, }
0904
0905
0906
0907
0908
                                                                                                                                                                                                                             NULL_KEY, }
NULL_VALUE, }
PROLOG(UE) - 1ST 6 CHARS ONLY }
                                                                                                                                                                8,
10,
0909
0910
0911
                                                                                                                                                                6.
                                                                                                                                                                                                                     { SEG_LENGTH, }
{ SEG_POSITION, }
{ SEG_TYPE, }
0912
                                                                                                                                                                 Õ.
0914
0915
0916
0917
                                                                       { RECORD PRIMARY }
                                                                                                                                                                                                                      { BLOCK_SPAN, }
{ CARRIAGE_CONTROL, }
{ CONTROL_FIELD_SIZE, }
{ FORMAT, }
{ SIZE, }
0918
                                                                                                                                                                  10.
                                                                                                                                                                16,
0919
0920
0921
                                                                                                                                                                 6.
0922
0924
                                                                        { SHARING PRIMARY }
0925
0926
0927
                                                                                                                                                                                                                       { DELETE } { GET }
                                                                                                                                                                 6,
31,
0928
                                                                                                                                                                                                                       { MULTISTREAM }
```

EDI

VO

```
16-Sep-1984 00:42:36
15-Sep-1984 22:43:40
EDFVAR
                                                                                                                                                                        Page 19 (2)
                                                                                                                       VAX-11 Pascal V2.4-277
V04-000
                                           Source Listing
                                                                                                                        $255$DUA28: [EDF.SRC]EDFVALUE.PAS:1
0929
0930
0931
0932
0933
0934
                                                                 { PROHIBIT }
{ PUT }
{ UPDATE }
{ USER_INTERLOCK }
                                                 614.
                      { SYSTEM PRIMARY }
0936
0937
                                                                 { DEVICE, } { SOURCE, } { TARGET, }
                                                 6,
                                                 6.
0938
0939
                                                 6
0940
                                                 );
0941
0942
0943
                           These are the maximum values of number-valued secondaries.
0944
0946
                           SECONDARY_MAX := (
0947
0948
                     { RESERVE 0 }
                                                 0.
                                                                 { DUMMY_SECONDARY$, }
0949
0950
                     { ACCESS PRIMARY }
0951
                                                                   BLOCK_IO$ }
DELETE$ }
GET$ }
0952
                                                 0.
                                                 00000
0954
0955
                                                                   PUT$ }
                                                                   RECORD IOS > TRUNCATES >
0956
0957
0958
                                                                 { UPDATE$ }
0959
0960
                     { ACL PRIMARY }
0961
0962
                                                 0.
                                                                 { ENTRY }
0964
                     { ANALYSIS_OF_AREA PRIMARY }
0965
                                                                 { RECLAIMED_SPACE }
0966
0967
                     { ANALYSIS_OF_KEY PRIMARY }
0968
                                                                   DATA_FILL$, }
DATA_KEY_COMPRESSION, }
DATA_RECORD_COMPRESSION, }
DATA_RECORD_COUNT, }
DATA_SPACE_OCCUPIED, }
DELETIONS, }
0969
                                                 0.
0970
0971
                                                 O.
0972
0973
                                                 0974
0975
                                                                 0976
0977
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0980
0981
```

EDI VO

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EDF
V04
```

\$255\$DUA28:[EDF.SRC]EDFVALUE.PAS;1 (2)

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8
16-Sep-1984 00:42:36
15-Sep-1984 22:43:40
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Source Listing
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EDFVAR

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V04-000
0986
0987
                         { AREA PRIMARY }
0988
                                                        0989
0990
0991
0992
0993
0994
0995
0996
0997
0998
                         { CONNECT PRIMARY }
0999
1000
                                                                             ASYNCHRONOUS >
                                                        O, {BLOCK IO }
EDF$C_1GIGA, {BUCKET_CODE }
EDF$C_1GIGA, {CONTEXT }
O, {FILE_BUCKETS }
O, {FAST_DELETE }
O, {FAST_DELETE }
1001
1002
1003
1004
1005
                                                        0,
255,
0,
1006
                                                                             KEY_OF_REFERENCE }
KEY_GREATER_EQUAL }
KEY_GREATER_THAN }
KEY_LIMIT }
1007
1008
1009
                                                        Ŏ,
1010
                                                         Ŏ,
                                                                             LOCK_ON_WRITE )
1011
                                                         Ŏ.
1012
                                                         Ŏ.
1013
                                                        Ŏ.
                                                        0,
255,
255,
                                                                              MANUAL UNLOCKING > MULTIBEOCK_COUNT >
1014
1015
1016
                                                                              MULTIBUFFER_COUNT }
                                                        00000
1017
                                                                              NOLOCK >
                                                                             NONEXISTENT RECORD > READ AHEAD > READ REGARDLESS >
1018
1019
1020
                                                                             TIMEOUT_ENABLE }
TIMEOUT_PERIOD }
TRUNCATE ON PUT }
TT_CANCEL_CONTROL_O }
TT_UPCASE_INPUT }
TT_PROMPT }
1021
1022
                                                        00000
1024
1025
1026
                                                                             TT_PURGE TYPE AHEAD }
TT_READ_NOECHO }
TT_READ_NOFILTER }
UPDATE IF }
WAIT_FOR_RECORD }
1027
                                                        Ŏ,
1028
                                                         Ŏ,
1029
                                                        Ŏ.
1031
                                                        Õ.
                                                                           ( WRITE_BERIND )
1032
1033
1034
                         { DATE PRIMARY }
1035
1036
                                                                             BACKUP$. }
1037
                                                        Ŏ.
                                                                              CREATIONS, }
1038
                                                        O.
                                                                             EXPIRATIONS, >
1039
                                                                           ( REVISIONS, )
1040
1041
                         { FILE PRIMARY }
1042
```

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16-Sep-1984 00:42:36
15-Sep-1984 22:43:40
EDFVAR
                                                                                                                                                                   VAX-11 Pascal V2.4-277
V04-000
                                                           Source Listing
                                                                                                                                                                    $255$DUA28:[EDF.SRC]EDFVALUE.PAS:1 (2)
                                                                   1043
1044
1045
1046
1047
1048
                                                                                            CONTIGUOUS, )
                                                                                            CREATE IF )
DEFAULT NAME, )
DEFERRED WRITE, )
DELETE ON CLOSE, }
DIRECTORY ENTRY, }
1049
1050
1051
1052
                                                                  O, { DIRECTORY ENTRY, }
O, { ERASE ON BELETE, }
EDF$C_1GIGA, { EXTENSION, }
EDF$C_MAX_GBL_BUFS, { GLOBAL_BUFFER_COUNT, }
65532, { MT_BLOCK_SIZE, }
O, { MT_CURRENT_POSITION, }
O, { MT_NOT_EOF }
O, { MT_PROTECTION, }
O, { MT_OPEN_REWIND, }
O, { MT_CLOSE_REWIND, }
EDF$C_1GIGA, { MAX_RECORD_NUMBER, }
O, { MAXIMIZE_VERSION, }
1054
1055
1056
1058
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1060
1061
1062
1063
                                                                                             MAXIMIZE_VERSION, )
1064
                                                                                            NAME, )
NOBACKUP, )
NON FILE STRUCTURED )
OUTPUT FILE PARSE }
1065
                                                                   0.
                                                                  Ŏ.
1066
                                                                  Ŏ.
1067
                                                                  Ó.
1068
1069
                                                                   Ō,
                                                                                             ORGANIZATION, }
                                                                  Ó.
                                                                                            OWNER, )
PRINT ON CLOSE, )
PROTECTION, )
1070
                                                                  Ó.
1071
                                                                  Ò,
1072
                                                                                            READ CHECK, }
REVISION, }
                                                                   65535.
1074
                                                                                            SEQUENTIAL ONLY )
SUBMIT ON CLOSE, )
SUPERSEDE, )
1075
1076
                                                                   0.
1077
1078
                                                                                             TEMPORARY }
                                                                   O, (TRUNCATE ON CLOSE, )
O, (USER_FILE_OPEN )
EDF$C_1GIGA, { WINDOW_SIZE }
O, (WRITE_CRECK, )
1079
1080
1081
1082
1083
1084
                              { JOURNALING PRIMARY }
1085
                                                                                            AFTER_IMAGE, }
AFTER_NAME }
AUDIT_TRAIL, }
AUDIT_NAME }
BEFORE_IMAGE, }
BEFORE_NAME }
1086
1087
1088
1089
1090
1091
1092
                                                                                          ( ŘECOVERY_UNIT, )
1093
1094
                              { KEY PRIMARY }
1095
                                                                                            CHANGES, }
DATA_ARÉA, }
DATA_FILL, }
DATA_KEY_COMPRESSION, }
1096
1098
1099
```

EDI

V04

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Page 21

```
D 8
                                                                                                         16-Sep-1984 00:42:36
15-Sep-1984 22:43:40
                                                                                                                                                $255$DUA28:[EDF.SRC]EDFVALUE.PAS;1 (2)
EDFVAR
                                                    Source Listing
V04-000
                                                                                  DAIA RECORD COMPRESSION, > DUPLICATES, >
                                                           0
254.
100.
1101
1102
1103
1104
1105
1106
1107
                                                                                  INDEX_AREA,
                                                                                  INDEX_COMPRESSION, )
INDEX_FILL, )
LEVELT_INDEX_AREA, )
NAMES, )
                                                           254.
                                                                                  NULL_KEY, }
NULL_VALUE, }
PROLOGUE }
                                                           ž$5.
1108
1109
                                                                               ( SEG_LENGTH, )
( SEG_POSITION, )
( SEG_TYPE, )
1110
                                                           16299.
1111
1112
1114
                          { RECORD PRIMARY }
1115
                                                                               { BLOCK_SPAN, }
{ CARRIAGE_CONTROL, }
{ CONTROL_FIELD_SIZE, }
{ FORMAT, }
{ SIZE, }
1116
                                                           Ž55,
1118
1120
1121
1122
1123
1124
1125
1126
                                              EDF$K_MAXRECSIZ,
                          { SHARING PRIMARY }
                                                                                  DELETE }
                                                           Ŏ,
                                                                                  GET >
                                                           0.
                                                                                  MULTISTREAM >
                                                           0.
                                                                                  PROHIBIT >
1128
1129
1130
1131
1132
1133
1136
1136
1138
1141
1143
1144
1145
                                                           0.
                                                                                  PUT }
                                                                                  UPDATE }
                                                           0.
                                                                               ( USER_INTERLOCK )
                          { SYSTEM PRIMARY }
                                                                               ( DEVICE, )
( SOURCE, )
( TARGET, )
                                                           Ö,
                                                           );
                                 These are the secondary value types.
                                 SEC_TYPE := (
1146
1147
1148
                          { +
                                        KEY:
                                                               STR. NUM. QUAL. SW
                           - }
1149
1150
                                                                                                                      { DUMMY_SECONDARY$, }
                           ( RESERVE 0 )
                                                            (FALSE, FALSE, FALSE, FALSE),
1151
1152
1153
                           { ACCESS PRIMARY }
                                                            (FALSE, FALSE, FALSE, TRUE), (FALSE, FALSE, FALSE, TRUE), (FALSE, FALSE, FALSE, TRUE),
1154
                                                                                                                      ( BLOCK IO$ )
( DELETE$ )
 1156
                                                                                                                      ( GET$ )
```

EDF VO4

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16-Sep-1984 00:42:36
15-Sep-1984 22:43:40
                                                                                                                                                                                   EDF
VO4
                                                                                                                VAX-11 Pascal V2.4-277
EDFVAR
                                                                                                                 $255$DUA28:[EDF.SRC]EDFVALUE.PAS:1 (2)
V04-000
                                         Source Listing
                                              (FALSE, FALSE, FALSE, TRUE), (FALSE, FALSE, FALSE, TRUE),
1157
1158
1159
                                                                                              PUT$ }
                                                                                              RECORD 10$ )
TRUNCATES )
                                              (FALSE, FALSE, FALSE, TRUE),
                                                                                            { UPDATES }
1160
                                              (FALSE, FALSE, FALSE, TRUE).
1161
1162
                    { ACL PRIMARY }
                                                                                            ( ENTRY )
1164
                                              (TRUE, FALSE, FALSE, FALSE),
1165
                    { ANALYSIS_OF_AREA PRIMARY }
1166
1167
                                                                                            { RECLAIMED_SPACE }
                                              (FALSE, FALSE, FALSE, FALSE),
1168
1169
1170
                    { ANALYSIS_OF_KEY PRIMARY }
1171
1172
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(FALSE, FALSE, FALSE, FALSE),
DATA_FILLS,)
DATA_KEY_COMPRESSION,)
DATA_RECORD_COMPRESSION,)
DATA_RECORD_COUNT, }
DATA_SPACE_OCCUPIED, }
DELETIONS, }
DEPTH, }
DUPLICATES_PER_SIDR, }
INDEX_COMPRESSION, }
INDEX_FILLS, }
INDEX_SPACE_OCCUPIED, }
LEVELT_RECORD_COUNT }
MFAN_DATA_LENGTH, }
MEAN_INDEX_LENGTH, }
RANDOM_ACCESSES, }
RANDOM_INSERTS, }
SEQUENTIAL_ACCESSES, } ALLOCATION\$, } BEST TRY CONTIGUOUSS,)
BUCKET_SIZES,) CONTIGUOUS\$, }

(FALSE, TRUE, FALSE, FALSE), (FALSE, FALSE, FALSE, TRUE), (FALSE, TRUE, FALSE, FALSE), (FALSE, FALSE, FALSE, TRUE), (FALSE, FALSE, FALSE, TRUE), (FALSE, TRUE, FALSE, FALSE), (FALSE, FALSE, FALSE, FALSE), EXACT_POSITIONING\$. > EXTENSION\$, } POSITIONS,) (FALSE, TRUE, FALSE, FALSE), { VOLUMES, } **{** + STR, NUM, QUAL, SW KEY: - }

{ CONNECT PRIMARY }

1190

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1197 1198

1199

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1208 1209

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1212

{ AREA PRIMARY }

ASYNCHRONOUS > (FALSE, FALSE, FALSE, TRUE), (FALSE, FALSE, FALSE, TRUE), (FALSE, TRUE, FALSE, FALSE), BLOCK TO } (FALSE, TRUE, FALSE, FALSE), (FALSE, FALSE, FALSE, TRUE), (FALSE, FALSE, FALSE, TRUE), CONTEXT) END_OF_FILE > FILE BUCKETS > (FALSE, FALSE, FALSE, TRUE), (FAST_DELETE)

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16-Sep-1984 00:42:36
15-Sep-1984 22:43:40
EDF VAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                  VAX-11 Pascal V2.4-277 Pag
_$255$DUA28:[EDF.SRC]EDFVALUE.PAS;1 (2)
                                                                                                                                                               Source Listing
                                                                                                                                                                                   (FALSE, TRUE, FALSE, FALSE), (FALSE, FALSE, FALSE, TRUE), (FALSE, FALSE, FALSE, TRUE),
                                                                                                                                                                                                                                                                                                                                                                             KEY_OF_REFERENCE )
KEY_GREATER_EQUAL )
                                                                                                                                                                                                                                                                                                                                                                             KEY GREATER THAN )
KEY LIMIT )
LOCATE MODE )
                                                                                                                                                                                (FALSE, FALSE, FALSE, TRUE),
(FALSE, FALSE, FALSE, TRUE),
(FALSE, FALSE, FALSE, TRUE),
(FALSE, FALSE, FALSE, TRUE),
(FALSE, FALSE, FALSE, TRUE),
(FALSE, TRUE, FALSE, FALSE),
(FALSE, FALSE, FALSE, TRUE),
                                                                                                                                                                                                                                                                                                                                                                             LOCK_OR_READ }
LOCK_ON_WRITE }
MANUAL_UNLOCKING }
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                                                                                                                                                                                                                                                                                                                                                                             MULTIBLOCK COUNT )
MULTIBUFFER COUNT )
                                                                                                                                                                                                                                                                                                                                                                              NOLOCK >
                                                                                                                                                                                                                                                                                                                                                                             NONEXISTENT RECORD > READ_AHEAD > READ_REGARDLESS >
                                                                                                                                                                                                                                                                                                                                                                             TIMEOUT_ENABLE }
TIMEOUT_PERIOD }
TRUNCATE_ON_PUT }
 1229
 1230
                                                                                                                                                                                                                                                                                                                                                                            TT_CANCEL_CONTROL_O >
TT_UPCASE_INPUT >
TT_PROMPT_>
 1231
                                                                                                                                                                                    (FALSE, FALSE, FALSE, TRUE),
 1232
 1233
                                                                                                                                                                                    (FALSE, FALSE, FALSE, TRUE),
                                                                                                                                                                                                                                                                                                                                                                   ( TT_PURGE_TYPE_AHEAD )
( TT_READ_NOECHO )
( TT_READ_NOFILTER )
( UPDATE IF )
( UPDATE IF )
( WAIT_FOR_RECORD )
( WRITE_BERIND )
                                                                                                                                                                                    (FALSE, FALSE, FALSE, TRUE),
1234
                                                                                                                                                                                    (FALSE, FALSE, FALSE, TRUE),
                                                                                                                                                                                    (FALSE, FALSE, FALSE, TRUE),
 1236
 1237
                                                                                                                                                                                    (FALSE, FALSE, FALSE, TRUE),
 1238
                                                                                                                                                                                    (FALSE, FALSE, TRUE),
 1239
                                                                                                                                                                                    (FALSE, FALSE, FALSE, TRUE).
 1240
 1241
                                                                               { DATE PRIMARY }
1242
                                                                                                                                                                                                                                                                                                                                                                             BACKUPS, }
                                                                                                                                                                                    (TRUE, FALSE, FALSE, FALSE),
 1244
                                                                                                                                                                                                                                                                                                                                                                             CREATIONS, )
                                                                                                                                                                                    (TRUE_FALSE_FALSE,FALSE),
                                                                                                                                                                                                                                                                                                                                                                             EXPIRATIONS, >
 1245
                                                                                                                                                                                    (TRUE, FALSE, FALSE, FALSE),
 1246
                                                                                                                                                                                                                                                                                                                                                                     { REVISION$, }
                                                                                                                                                                                    (TRUE, FALSE, FALSE, FALSE),
1247
 1248
                                                                               { file primary }
                                                                                                                                                                                 (FALSE, TRUE, FALSE, FALSE),
(FALSE, TRUE, FALSE, TRUE),
(FALSE, TRUE, FALSE, FALSE),
(FALSE, TRUE, FALSE, FALSE),
(FALSE, TRUE, FALSE, FALSE),
(FALSE, FALSE, FALSE, TRUE),
(TRUE, FALSE, FALSE, TRUE),
(FALSE, FALSE, FALSE, TRUE),
(FALSE, FALSE, FALSE, TRUE),
(FALSE, FALSE, FALSE, TRUE),
(FALSE, TRUE, FALSE, FALSE),
(FALSE, TRUE, FALSE, FALSE),
(FALSE, TRUE, FALSE, FALSE),
(FALSE, FALSE, FALSE, TRUE),
1249
                                                                                                                                                                                                                                                                                                                                                                            ALLOCATION, )
BEST TRY CONTIGUOUS, )
BUCKET SIZE, )
CLUSTER SIZE, )
CONTEXTS )
1250
 1251
 1252
 1254
                                                                                                                                                                                                                                                                                                                                                                               CONTIGUOUS, }
  1255
                                                                                                                                                                                                                                                                                                                                                                            CREATE IF }
DEFAULT NAME, }
DEFERRED WRITE, }
DELETE ON CLOSE, }
DIRECTORY ENTRY, }
ERASE ON DELETE, }
EXTENSION, }
 1256
1257
1258
1259
  1260
  1261
 1262
                                                                                                                                                                                                                                                                                                                                                                             GLOBAL BUFFER COUNT, )
MT BLOCK SIZE, )
MT CURRENT POSITION, )
MT NOT EOF )
MT PROTECTION, )
  1264
  1265
  1266
1267
                                                                                                                                                                                                                                                                                                                                                                    ( MT_OPEN_REWIND, )
( MT_CLOSE_REWIND )
( MAX_RECORD_NUMBER, )
  1268
  1269
  1270
```

EDF VO4

74

20 31

20 72

64

20 5E

6E

```
16-Sep-1984 00:42:36
15-Sep-1984 22:43:40
 EDFVAR
                                                                                                                                                                                                         VAX-11 Pascal V2.4-277 Pag
_$255$DUA28:[EDF.SRC]EDFVALUE.PAS;1 (2)
 VO4-000
                                                                          Source Listing
                                                                                  (FALSE, FALSE, FALSE, TRUE),
(TRUE, FALSE, FALSE, FALSE, TRUE),
(FALSE, FALSE, FALSE, TRUE),
(FALSE, FALSE, FALSE, TRUE),
(FALSE, FALSE, FALSE, TRUE),
(FALSE, FALSE, FALSE, FALSE),
(FALSE, FALSE, FALSE, TRUE),
1271
1272
1273
1274
1275
1276
1277
1278
                                                                                                                                                                         MAXIMIZE_VERSION, )
NAME, )
NOBACKUP, )
NON_FILE_STRUCTURED }
OUTPUT_FILE_PARSE }
ORGANIZATION, }
                                                                                                                                                                        OWNER, )
PRINT ON CLOSE, )
PROTECTION, )
                                                                                                                                                                         READ CHECK, REVISION, }
 1280
1281
                                                                                                                                                                         SEQUENTIAL ONLY > SUBMIT ON CLOSE, > SUPERSEDE, >
1282
1283
1284
1285
                                                                                                                                                                         TEMPORARY )
                                                                                                                                                                    ( TRUNCATE ON CLOSE, )
{ USER_FILE OPEN }
{ WINDOW SIZE }
{ WRITE_CHECK, }
1286
                                                                                   (FALSE, FALSE, FALSE, TRUE), (FALSE, TRUE, FALSE, FALSE),
1287
1288
1289
                                                                                   (FALSE, FALSE, FALSE, TRUE),
1290
1291
                                     { +
1292
                                                       KEY:
                                                                                       STR, NUM, QUAL, SW
                                     - }
1294
1295
1296
1297
1298
                                     { JOURNAL PRIMARY }
                                                                                                                                                                    { AFTER_IMAGE, }
{ AFTER_NAME }
{ AUDIT_TRAIL, }
{ AUDIT_NAME }
{ BEFORE_IMAGE, }
{ BEFORE_NAME }
{ RECOVERY_UNIT, }
                                                                                    (FALSE, FALSE, FALSE, TRUE),
                                                                                   (TRUE, FALSE, FALSE, FALSE),
1299
                                                                                    (FALSE, FALSE, FALSE, TRUE),
                                                                                   (TRUE, FALSE, FALSE, FALSE),
1301
                                                                                   (FALSE, FALSE, FALSE, TRUE),
1302
1303
                                                                                   (TRUE, FALSE, FALSE, FALSE),
                                                                                   (FALSE, FALSE, TRUE, FALSE),
1304
1305
                                     { KEY PRIMARY }
1306
1307
                                                                                   (FALSE, FALSE, FALSE, TRUE), (FALSE, TRUE, FALSE, FALSE),
                                                                                                                                                                         CHANGES, }
1308
                                                                                                                                                                         DATA_ARÉA, }
                                                                                                                                                                         DATA FILL,
1309
                                                                                   (FALSE, TRUE, FALSE, FALSE),
                                                                                   (FALSE, FALSE, FALSE, TRUE), (FALSE, FALSE, FALSE, TRUE),
                                                                                                                                                                         DATA_KEY_COMPRESSION, )
DATA_RECORD_COMPRESSION, )
1310
1311
                                                                                  (FALSE, FALSE, FALSE, TRUE),

(FALSE, FALSE, FALSE, TRUE),

(FALSE, FALSE, FALSE, TRUE),

(FALSE, TRUE, FALSE, FALSE),

(FALSE, TRUE, FALSE, FALSE),

(TRUE, FALSE, FALSE, FALSE),

(FALSE, FALSE, FALSE, TRUE),

(FALSE, FALSE, FALSE, TRUE),
1312
1313
                                                                                                                                                                         DUPLICATES,
                                                                                                                                                                         INDEX_AREA, )
INDEX_COMPRESSION, )
INDEX_FILL, )
1314
1315
                                                                                                                                                                         LEVELT_INDEX_AREA, }
NAME$, }
1316
 1317
                                                                                                                                                                         NULL_KEY, }
NULL_VALUE, }
PROLUGUE }
 1318
                                                                                   (FALSE, FALSE, FALSE, FALSE), (FALSE, TRUE, FALSE, FALSE),
 1319
 1320
                                                                                                                                                                    ( SEG_LENGTH, )
( SEG_POSITION, )
( SEG_TYPE, )
 1321
                                                                                    (FALSE, TRUE, FALSE, FALSE),
 1322
                                                                                   (FALSE, TRUE, FALSE, FALSE),
                                                                                   (FALSE, FALSE, TRUE, FALSE),
 1324
 1325
                                     { RECORD PRIMARY }
1326
1327
```

{ BLOCK_SPAN, }

(FALSE, FALSE, TRUE),

```
16-Sep-1984 00:42:36
15-Sep-1984 22:43:40
FDFVAR
                                                                                                                                               VAX-11 Pascal V2.4-277
                                                                                                                                               VAX-11 Pascal V2.4-277 Page 26
_$255$DUA28:[EDF.SRC]EDFVALUE.PAS;1 (2)
V04-000
                                                    Source Listing
                                                          (FALSE, FALSE, TRUE, FALSE),
(FALSE, TRUE, FALSE, FALSE),
(FALSE, FALSE, TRUE, FALSE),
(FALSE, TRUE, FALSE, FALSE),
                                                                                                                     { CARRIAGE CONTROL, }
{ CONTROL FIELD SIZE, }
{ FORMAT, }
{ SIZE, }
155555
155555
15555
15555
15555
15555
15555
15555
                          ( •
                                       KEY:
                                                              STR, NUM, QUAL, SW
                          - }
                          ( SHARING PRIMARY )
1338
                                                           (FALSE, FALSE, FALSE, TRUE), (FALSE, FALSE, FALSE, TRUE),
                                                                                                                        DELETE >
1340
1341
1342
1343
                                                                                                                        MULTISTREAM }
                                                           (FALSE, FALSE, FALSE, TRUE),
                                                           (FALSE, FALSE, FALSE, TRUE),
                                                                                                                        PROHIBIT >
                                                           (FALSE, FALSE, FALSE, TRUE), (FALSE, FALSE, FALSE, TRUE),
                                                                                                                        PUT }
                                                                                                                        UPDATE }
1345
                                                                                                                     ( USER_INTERLOCK )
                                                           (FALSE, FALSE, FALSE, TRUE),
1346
                          ( SYSTEM PRIMARY )
1348
                                                                                                                     ( DEVICE, )
( SOURCE, )
( TARGET, )
1349
                                                           (TRUE, FALSE, FALSE, FALSE),
1350
                                                           (FALSE, FALSE, TRUE, FALSE),
1351
                                                           (FALSE, FALSE, TRUE, FALSE)
1352
                                                          );
```

EDF

VÕ4

| UESTION_OFFSET | DEFAULT_OK, | DEFAULT, | LOW_BOUND, | HIGH_BOUND, | KEY_TABLE, | STATE_TABLE |
|---|---------------|-------------|------------|-------------|------------|-------------|
| EDFSK_DATA_FILE_NAME STRING ANSWER. | TRUE, | 0. | 0, | 0. | 0, | 0), |
| STRING ANSWER, EDFSK FDL TITLE) STRING ANSWER, | TRUE, | 0. | 0. | 0. | 0. | 0), |
| EDFSKIKEY NAME) String answer. | TRUE, | 0. | 0. | 0. | 0. | 0), |
| EDFSK ANALYSIS) STRING ANSWER, EDFSK OUTPUT) | TRUE, | 0. | 0. | 0. | 0. | 0), |
| 2 I KING ANSAFK' | TRUE, | 0. | 0, | 0, | 0. | 0), |
| _EDF\$K_DATA_KEY_(OMP_) REAL_ANSWER, | TRUE, | 0. | -99, | 99, | 0. | 0), |
| -EDFSK_DATA_RECORD_COM Real_answer. | TRUE. | 0. | -99, | 99. | 0. | 0), |
| EDFSK_INDEX_RECORD_CO REAL_AMSWER, | MP) True, | 0. | -99, | 99, | 0. | 0), |
| UESTION_OFFSET | DEFAULT_OK, | DEFAULT, | LOW_BOUND, | HIGH_BOUND, | KEY_TABLE, | STATE_TABL |
| EDFSK KEY COMP_WANTED BOOLEAN_ANSWER, | TRUE, | EDF\$K_YES, | 0. | 0. | 0. | 0), |
| EDFSK REC COMP_WANTED BOOLEAN_ANSWER, | TRUE, | EDF\$K_YES, | 0. | 0. | 0. | 0), |
| EDFSK IDX COMP_WANTED BOOLEAN_ANSWER, | TRUE, | EDF\$K_YES, | 0. | 0, | 0, | 0), |
| EDF S K_ÄSCENDING_ADDED BOOLEAN_ANSWER, | TRUE | EDF\$K_NO, | 0, | 0, | 0. | 0), |
| EDFSK ASCENDING_LOAD BOOLEAN ANSWER, EDFSK BLOCK SPAN } | TRUE, | EDF\$K_NO, | 0, | 0. | 0. | 0), |
| ROOFFAN ANZAFK" | TRUE, | EDF\$K_YES, | 0, | 0. | 0. | 0), |
| EDFSK CONFIRM) BOOLEAN ANSWER, | TRUE, | EDFSK_NO, | 0. | 0. | 0. | 0), |
| EDFSK SEGMENTED) BOOLEAR ANSWER, | TRUE, | EDF\$K_NO, | 0, | 0, | 0. | 0), |
| EDF\$K_GLOBAL_WANTED) BOOLEAR_ANSWER, | TRUE, | EDF\$K_NO, | 0. | 0. | 0. | 0), |
| UESTION_OFFSET NSWER_CEASS, | DEFAULT_OK, | DEFAULT, | LOW_BOUND, | HIGH_BOUND, | KEY_TABLE, | STATE_TABL |
| EDFSK KEY CHANGES) BOOLEAN ANSWER | TRUE, | EDF\$K_YES, | 0. | 0, | 0, | 0), |
| EDFSK REY DIST) BOOLEAN ANSWER, | TRUE, | EDF\$K_NO, | 0. | 0, | 0, | 0). |
| (EDF\$K REY_DUP\$) BOOLEAR_ANSWER, | TRUE, | EDF\$K_NO, | 0, | 0. | 0, | 0), |

| EDF VAR V04-000 | Source (| isting | J 8 16-Sep 15-Sep | 1-1984 00:42:36 1-1984 22:43:40 | VAX-11 Pascal V _\$255\$DUA28:[ED | 2.4-277 F.SRCJEDFVALUE. | Page 28 |
|--|---|-------------|-------------------------|------------------------------------|--------------------------------------|----------------------------|-------------|
| 1412 1 | (EDFSK RETURN) (BOOLEAR ANSWER, | TRUE, | 0. | 0, | 0. | 0, | 0), |
| 1414 I 1415 I | (EDF\$K [LUSTER_SIZE) (INTEGER_ANSWER, | TRUE, | 3, | 1, | EDF\$C_1GIGA, | 0. | 0), |
| 1416 | (INTEGER ANSWER) (EDFSK ACTIVE KEY) (INTEGER ANSWER, | TRUE, | 0. | 0. | 0. | 0. | 0). |
| 1418 I 1419 I 1420 I 1421 I | QUESTION_OFFSET ANSWER_CEASS, | DEFAULT_OK, | DEFAULT, | LOW_BOUND, | HIGH_BOUND, | KEY_TABLE, | STATE_TABLE |
| 1420 I 1421 I 1422 I 1423 I 1424 I 1425 I 1426 I 1427 I 1428 I 1429 I 1430 I 1431 I 1432 I 1433 I 1434 I 1435 I | (EDFSK ADDED COUNT) (INTEGER ANSWER, | TRUE, | 0. | 0. | EDF\$C_1GIGA, | 0, | 0), |
| 1425 | C EDFSK ADDED COUNT_LOW (INTEGER_ANSWER, | TRUE. | 0. | 0. | EDF\$C_1GIGA, | 0, | 0), |
| 1426 | C EDFSK ADDED COUNT_HIGH (INTEGER_ANSWER, | TRUE, | 100000, | 0. | EDF\$C_1GIGA, | 0. | 0), |
| 1428 I 1429 I | <pre>{ EDF\$K_BLOCKS_IN_BUCKE? (INTEGER_ANSWER,</pre> | TRUE, | 32, | 1, | BKT\$C_MAXBKTSIZ | | 0), |
| 1430 I 1431 I | (EDF\$K_BUCKET_WEIGHT) (KEYWORD_ANSWER, | | LATTER_FILES, | 0. | 0, | 0, | 0), |
| 1432 1 | (EDFŠK ČARR ČTŘL) (KEYWORD ANSWER, | TRUE, | FDL\$C_CR, | 0. | 0. | 0. | 0), |
| 1434 1 | (EDFSK CONTROL SIZE) (INTEGER_ANSWER, | TRUE, | 2, | 1, | 255, | 0. | 0). |
| 1436 | QUESTION_OFFSET | THUE, | ٤, | '• | 277, | • | 07 , |
| 1437 I 1438 I 1439 I | ANSWER_CEASS, | DEFAULT_OK, | DEFAULT, | LOW_BOUND, | HIGH_BOUND, | KEY_TABLE, | STATE_TABLE |
| 1440 I 1441 I | C EDFSK CURRENT FUNCTION | TRUE, | EDF\$K_HELP, | 0, | 0. | 0. | 0), |
| 1442 I 1443 I | { EDF\$K BESIGN CYCLE } (KEYWORD_ANSWER, | TRUE, | EDF\$K_WP, | 0. | 0, | 0, | 0), |
| 1444 I 1445 I | (EDFSK_BESIRED_FILL) (INTEGER_ANSWER, | TRUE, | 100, | 0. | 100, | 0. | 0), |
| 1446 I 1447 I | (EDFSK FILL LOW) (INTEGER ANSWER, | TRUE, | 50, | 0. | 100, | 0. | 0), |
| 1448 I 1449 I | { EDF\$K_FILL_HIGH } | TRUE, | 100, | 0. | 100. | 0. | 0). |
| 11450 I | (INTEGER_ANSWER, | TRUE, | 100, | 0, | 100, | 0 , | 07. |
| 1451 I 1452 I 1453 I | QUESTION_OFFSET ANSWER_CLASS, | DEFAULT_OK, | DEFAULT, | LOW_BOUND, | HIGH_BOUND, | KEY_TABLE, | STATE_TABLE |
| 1454 | { EDF\$K_GLOBAL_COUNT } | | • | • | | | • |
| 1454 I 1455 I 1456 I | (INTEGER ANSWER, (EDFSK GRANULARITY) (KEYWORD ANSWER, | FALSE, | 0. | 0, | 65535, | 0, | 0), |
| 1457 I 1458 I | (EDFSK INITIAL COUNT) | TRUE, | EDF\$K_THREE, | 0. | 0, | 0, | 0), |
| 1459 I 1460 I | (INTEGER ANSWER, COUNT_LO | FALSE, | 0. | 0, | EDF\$C_1GIGA, | 0, | 0), |
| 1461 I 1462 I | (INTEGER ANSWER, C EDFSK INITIAL COUNT H | TRUE, | 0, | 0, | EDF\$C_1GIGA, | 0. | 0), |
| 1463 i 1464 i | (INTEGER ANSWER) (EDF SK REY POSITION) | TRUE, | 100000, | 0, | EDF\$C_1GIGA, | 0. | 0), |
| 1465 i 1466 i | (INTEGER ANSWER. | TRUE. | 0. | O, ED | F\$K_MAXRECSIZ, | 0. | 0), |
| 1467 I 1468 I | (EDFSK REY LOW) (INTEGER ANSWER, (EDFSK_REY_HIGH) | TRUE, | 1, | 0, | 0, | 0, | 0), |

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K 8
                                                                                                                                                                                                                                    16-Sep-1984 00:42:36
15-Sep-1984 22:43:40
                                                                                                                                                                                                                                                                                                                          VAX-11 Pascal V2.4-277
_$255$DUA28:[EDF.SRC]EDFVALUE.PAS:1
 EDF VAR
  V04-000
                                                                                                                   Source Listing
1469
1470
1471
                                                           (INTEGER ANSWER, CEDFSK_REY_SIZE)
                                                                                                                                                TRUE.
                                                                                                                                                                                                         255.
                                                                                                                                                                                                                                                                 0.
                                                                                                                                                                                                                                                                                                                           0.
                                                                                                                                                                                                                                                                                                                                                                                   0.
                                                                                                                                                                                                                                                                                                                                                                                                                                            0).
                                                           (INTEGER_ANSWER,
                                                                                                                                                                                                        0.
                                                                                                                                                FALSE.
                                                                                                                                                                                                                                                                  0.
                                                                                                                                                                                                                                                                                                                           0.
                                                                                                                                                                                                                                                                                                                                                                                   0.
                                                                                                                                                                                                                                                                                                                                                                                                                                            0).
1472
1473
1474
1475
                                                           QUESTION_OFFSET
                                                           ANSWER_CEASS,
                                                                                                                                                DEFAULT OK.
                                                                                                                                                                                                        DEFAULT.
                                                                                                                                                                                                                                                                LOW BOUND,
                                                                                                                                                                                                                                                                                                                          HIGH_BOUND,
                                                                                                                                                                                                                                                                                                                                                                                   KEY_TABLE,
                                                                                                                                                                                                                                                                                                                                                                                                                                            STATE_TABLE
                                                         CEDFSK KEY TYPE }

(KEYWORD ANSWER, TRU
CEDFSK COAD METHOD }

(KEYWORD ANSWER, TRU
CEDFSK MAX RECORD_SIZE }

(INTEGER ANSWER, FAL
CEDFSK MEAN RECORD_SIZE }

(INTEGER ANSWER, FAL
CEDFSK NUMBER DUPS }

(INTEGER ANSWER, TRU
CEDFSK NUMBER KEYS }

(INTEGER_ANSWER, TRU
CEDFSK NUMBER KEYS }
1476
1477
1478
                                                                                                                                                TRUE,
                                                                                                                                                                                                                                                                                              0.
                                                                                                                                                                                                                                                                                                                                                      0.
                                                                                                                                                                                                         FDLSC_STG.
                                                                                                                                                                                                                                                                                                                                                                                                               0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0),
1479
                                                                                                                                                TRUE.
                                                                                                                                                                            EDF$K_FAST_CONVERT.
                                                                                                                                                                                                                                                                  0.
                                                                                                                                                                                                                                                                                                                           0.
                                                                                                                                                                                                                                                                                                                                                                                   0.
                                                                                                                                                                                                                                                                                                                                                                                                                                            0).
                                                                                                                                                FALSE,
1481
1483
1484
1485
1486
1488
1489
1490
1491
                                                                                                                                                                                                         0.
                                                                                                                                                                                                                                                                  0.
                                                                                                                                                                                                                                                                                                                           0.
                                                                                                                                                                                                                                                                                                                                                                                   0.
                                                                                                                                                                                                                                                                                                                                                                                                                                            0).
                                                                                                                                                FALSE.
                                                                                                                                                                                                         0.
                                                                                                                                                                                                                                                                 1.
                                                                                                                                                                                                                                                                                             EDF$K_MAXRECSIZ,
                                                                                                                                                                                                                                                                                                                                                                                   0.
                                                                                                                                                                                                                                                                                                                                                                                                                                            0),
                                                                                                                                                TRUE,
                                                                                                                                                                                                         0.
                                                                                                                                                                                                                                                                                                                           EDFSC_1GIGA,
                                                                                                                                                                                                                                                                                                                                                                                   0,
                                                                                                                                                                                                                                                                                                                                                                                                                                            0).
                                                                                                                                                TRUE,
                                                                                                                                                                                                         1,
                                                                                                                                                                                                                                                                                                                           255.
                                                                                                                                                                                                                                                                  1.
                                                                                                                                                                                                                                                                                                                                                                                   0.
                                                                                                                                                                                                                                                                                                                                                                                                                                            0),
                                                          QUESTION OFFSET ANSWER_CEASS,
                                                                                                                                                DEFAULT_OK,
                                                                                                                                                                                                        DEFAULT.
                                                                                                                                                                                                                                                                LOW_BOUND,
                                                                                                                                                                                                                                                                                                                          HIGH_BOUND,
                                                                                                                                                                                                                                                                                                                                                                                   KEY_TABLE,
                                                                                                                                                                                                                                                                                                                                                                                                                                            STATE_TABLE
                                                       EDF$K NUMBER RECORDS }

(INTEGER ANSWER, FAL

(EDF$K PROLOGUE_VERSION }

(INTEGER ANSWER, TRU

(EDF$K PROMPTING }

(KEYWORD ANSWER, TRU

(EDF$K RECORD FORMAT }

(KEYWORD ANSWER, TRU

(EDF$K RESPONSES }

(KEYWORD ANSWER, TRU

(EDF$K SCRIPT OPTION }

(KEYWORD ANSWER, FAL

(EDF$K SET FUNCTION }

(KEYWORD ANSWER, FAL

(EDF$K SIZE LOW }

(INTEGER ANSWER, TRU

(EDF$K SIZE HIGH }

(EDF$K SIZE
1492
                                                                                                                                                FALSE,
                                                                                                                                                                                                        0.
                                                                                                                                                                                                                                                                  0.
                                                                                                                                                                                                                                                                                                                          EDF$C_1GIGA,
                                                                                                                                                                                                                                                                                                                                                                                   0.
                                                                                                                                                                                                                                                                                                                                                                                                                                            0),
1494
1495
1496
1497
                                                                                                                                                TRUE.
                                                                                                                                                                                                         3.
                                                                                                                                                                                                                                                                  0.
                                                                                                                                                                                                                                                                                                                           3.
                                                                                                                                                                                                                                                                                                                                                                                   0.
                                                                                                                                                                                                                                                                                                                                                                                                                                            0),
                                                                                                                                                TRUE.
                                                                                                                                                                                                        EDF$K_FULL,
                                                                                                                                                                                                                                                                  0.
                                                                                                                                                                                                                                                                                                                           0.
                                                                                                                                                                                                                                                                                                                                                                                   0.
                                                                                                                                                                                                                                                                                                                                                                                                                                            0),
 1498
1499
1500
1501
1502
1503
1504
1505
1506
1507
1510
1511
1512
1513
                                                                                                                                                TRUE.
                                                                                                                                                                                                        FDL$C_VAR,
                                                                                                                                                                                                                                                                  0.
                                                                                                                                                                                                                                                                                                                           0.
                                                                                                                                                                                                                                                                                                                                                                                   0.
                                                                                                                                                                                                                                                                                                                                                                                                                                            0).
                                                                                                                                                TRUE.
                                                                                                                                                                                                        EDF$K_AUTO,
                                                                                                                                                                                                                                                                 0.
                                                                                                                                                                                                                                                                                                                           0.
                                                                                                                                                                                                                                                                                                                                                                                   0.
                                                                                                                                                                                                                                                                                                                                                                                                                                            0),
                                                                                                                                                FALSE,
                                                                                                                                                                                                                                                                 0.
                                                                                                                                                                                                        0.
                                                                                                                                                                                                                                                                                                                           0.
                                                                                                                                                                                                                                                                                                                                                                                   0.
                                                                                                                                                                                                                                                                                                                                                                                                                                            0),
                                                                                                                                               FALSE.
                                                                                                                                                                                                        0.
                                                                                                                                                                                                                                                                 0.
                                                                                                                                                                                                                                                                                                                           0.
                                                                                                                                                                                                                                                                                                                                                                                   0.
                                                                                                                                                                                                                                                                                                                                                                                                                                            0).
                                                                                                                                                TRUE.
                                                                                                                                                                                                        1.
                                                                                                                                                                                                                                                                 1,
                                                                                                                                                                                                                                                                                             EDF$K_MAXRECSIZ,
                                                                                                                                                                                                                                                                                                                                                                                   0.
                                                                                                                                                                                                                                                                                                                                                                                                                                            0).
                                                                                                                                                TRUE.
                                                                                                                                                                                                        1000.
                                                                                                                                                                                                                                                                 1.
                                                                                                                                                                                                                                                                                             EDF$K_MAXRECSIZ,
                                                                                                                                                                                                                                                                                                                                                                                   0.
                                                                                                                                                                                                                                                                                                                                                                                                                                            0),
                                                                                                                                                TRUE,
                                                                                                                                                                            EDF$K_LINE_SURFACE,
                                                                                                                                                                                                                                                                 0.
                                                                                                                                                                                                                                                                                                                          0,
                                                                                                                                                                                                                                                                                                                                                                                   0.
                                                                                                                                                                                                                                                                                                                                                                                                                                            0),
                                                         QUESTION OFFSET ANSWER_CLASS,
 1514
                                                                                                                                               DEFAULT_OK,
                                                                                                                                                                                                        DEFAULT,
                                                                                                                                                                                                                                                                LOW_BOUND,
                                                                                                                                                                                                                                                                                                                         HIGH_BOUND,
                                                                                                                                                                                                                                                                                                                                                                                   KEY_TABLE,
                                                                                                                                                                                                                                                                                                                                                                                                                                           STATE_TABLE
 1515
                                                          ( EDF$K_TEST_PRIMARY )
(KEYWORD_ANSWER, TRUE,
{ EDF$K_TEST_SECOND/ Y }
(OBJECT_ANSWER, FALSE,
{ EDF$K_TEST_SECONDARY_VALUE }
(OBJECT_ANSWER, FALSE,
 1516
 1517
                                                                                                                                                                                          FDLSC_FILE,
                                                                                                                                                                                                                                                                0,
                                                                                                                                                                                                                                                                                                                          0.
                                                                                                                                                                                                                                                                                                                                                                                   0.
                                                                                                                                                                                                                                                                                                                                                                                                                                           0),
 1518
1519
1520
1521
1522
1523
                                                                                                                                                                                                        0.
                                                                                                                                                                                                                                                                 0.
                                                                                                                                                                                                                                                                                                                          0.
                                                                                                                                                                                                                                                                                                                                                                                   0.
                                                                                                                                                                                                                                                                                                                                                                                                                                            0),
                                                                                                                                                                                                        0.
                                                                                                                                                                                                                                                                0,
                                                                                                                                                                                                                                                                                                                          0.
                                                                                                                                                                                                                                                                                                                                                                                   0,
                                                                                                                                                                                                                                                                                                                                                                                                                                           0)
                                                                                                                   ):
 1525
                                                          NULL_STRING
                                                                                                                                                := (
```

EDF VO4

```
16-Sep-1984 00:42:36
15-Sep-1984 22:43:40
                                                                                                                                       YAX-11 Pascal V2.4-277 Page 30 $255$DUA28:[EDF.SRCJEDFVALUE.PAS;1 (3)
EDFVAR
V04-000
                                                 Source Listing
{ DSC$W_LENGTH }
{ DSC$B_DTYPE }
{ DSC$B_CLASS }
{ DSC$A_POINTER }
                                     DSCSK_DTYPE_T,
DSCSK_CLASS_D,
                                                 );
                        LINE_OBJECT_TEMPLATE
                                                              := (
                                                                         { LINE_OBJECT_TYPE }
{ FORE }
{ BACK }
                                     SEC,
NIL,
                                     NIL,
                                                                          { COMMENT }
                                     DSCSK_DTYPE_T,
DSCSK_CLASS_D,
                                     NIL
                                                                          { STRING }
                                     DSCSK_DTYPE_T,
DSCSK_CLASS_D,
                                     NIL
                                                                             PRIMARY >
                                     KEY,
1555
                                                                             PRINUM >
                                     DUMMY_SECONDARY$,
                                                                             SECONDARY > SECNUM >
1556
1557
1558
1559
                                     Ŏ,
                                                                             QUALIFIER }
                                     Ŏ.
                                                                             NUMBER >
1560
1561
                                     TRUE,
                                                                             SWITCH >
                                     0.
                                                                          { OWNER_UIC }
1562
1563
                                                                          { PROT_MASK }
1564
1565
                                     FALSE,
                                     FALSE,
1566
1567
                                     FALSE.
                                     FALSE.
1568
                                     FALSE.
1569
1570
1571
1572
1573
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1575
1576
1577
1578
1579
                                     FALSE.
                                     FALSE,
                                      FALSE.
                                      FALSE.
                                      FALSE,
                                      FALSE.
                                      FALSE,
                                      FALSE,
                                      FALSE.
                                      FALSE.
                                      FALSE,
1580
1581
1582
                                      FALSE,
                                     FALSE,
                                     FALSE.
```

EDF VO4

```
M 8
EDF VAR
V04-000
                                                                                                                                           16-Sep-1984 00:42:36
15-Sep-1984 22:43:40
                                                                                                                                                                                               VAX-11 Pascal V2.4-277 Page 31 _$255$DUA28:[EDF.SRC]EDFVALUE.PAS;1 (3)
                                                                      Source Listing
                                                    FALSE,
FALSE,
FALSE,
1583 I
1584 I
1585 I
1586 I
1587 I
1589 I
1590 I
1591 I
1593 I
1593 I
1594 I
1595 I
1596 I
1597 I
1598 I
1599 I
1601 I
1602 I
1603 I
1604 I
1605
1606
1607
                                                     FALSE,
                                                     ),
                                                     0:
                                                                                       { FID1 }
{ FID2 }
{ FID3 }
                                                    );
                                            { End of File SRC$:EDFVALUE.PAS }
                                            { End of file: SRC$:EDFVAR.PAS }
```

EDI VO

```
N 8
                                                                           16-Sep-1984 00:42:36
5-Sep-1984 13:39:37
                                                                                                       DISK$VMSMASTER: [EDF.SRC]EDFVAR.PAS; 1 (4)
EDFVAR
V04-000
                                     Generated Code
                                                                                        .TITLE EDFVAR
.IDENT \V04-000\
                                                                        00000
                                                                                         .PSECT $CODE,PIC,CON,REL,LCL,SHR,EXE,RD,NOWRT,2
                   00000001
                                           00000041 00000000
00000041 00000000
                                                                        00000 C.AAA:
                                                                                                 0,65,1
<8>\fDL_DEST\<0><0><0>
                                                                                         .LONG
                                                                        0000C
00018 C.AAB:
          00 00
                                                                                         .ASCII
                                00000001
                                                                                                 0,65,1
<2>\fT\<0>
                                                                                         .LONG
                                           00000041 00000000
00000041 00000000
52 55 4F 4A 0C
                                                                        00024
00028 C.AAC.
00034
                                                                                         .ASCII
                               0000001
                                                                                        .LONG 0,65.1
.ASCII <12>\JOURNAL_FILE\
     45 40 49
                             4C 41 4E
                    46 5F
                                                                        00000
                                                                                         .PSECT $LOCAL,-
                                                                        00000
                                                                                                  PIC, CON, REL, LCL, NOSHR, NOEXE, RD, WRT, 2
                                                                        00000 FDL_DEST:
                    00000000
                               00000000 00000000
                                                       000000101
                                                                        00000
                                                                                         .ADDRESS .+16,0,C.AAA,0
                                                                        00010
                                                                                         .BLKB 1
                                                                        00011
                                                                                         .ADDRESS .+16,0,C.AAB,0
                    00000000 00000018' 00000000
                                                       00000024'
                                                                        00014 TT:
                                                                        00024
                                                                                         .BLKB 1
                                                                        00025
                                                                        00028 JOURNAL FILE: 00028 .ADDR
                                                                                         .ADDRESS .+16,0,C.AAC,0
                    0000000 00000028 00000000
                                                       000000381
                                                                        00038
                                                                                         .BLKB
                                                                        00039
                                                                        0003C JOURNAL_ENABLED:
                                                              00
                                                                        0003C
                                                                                        .BYTE
                                                                        0003D
                                                                                         .BLKB
                                                                        00040 JOURNAL FILENAME:
                                                                        00040
                                                                                        .BLKB 255
                                                                        0013F
                                                                        00140 INPUT_FILENAME_DESC:
                                                                        00140
                                                                                         .BLKB
                                                                        00148 OUTPUT_FILENAME_DESC:
                                                                        00148
                                                                                        .BLKB
                                                                        00150 ANALYSIS_FILENAME_DESC:
00150 .BLKB 8
                                                                        00158 RES_OUTPUT_FILENAME_DESC:
                                                                       00158 .BEKB 8
00160 DEFAULT_FILENAME_DESC:
00160 .BLKB 8
                                                                        00168 NL_DEV_DESC:
                                                                       00168 BLKB 8
00170 ANALYSIS SPECIFIED:
00170 BYTE 0
                                                              00
                                                                        00171
                                                                                        .BLKB
                                                                        00174 ANALYSIS_ONLY:
                                                              00
                                                                        00174
                                                                                         BYTE
                                                                        00175
                                                                                         .BLKB
                                                                        00178 EDITING: BYTE
                                                              00
                                                                        00179
                                                                                         .BLKB
                                                                        0017C TAKE_DEFAULTS:
```

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0017D

00180

00180 NO_INPUT :

.BLKB

.BYTE

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EDI

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| r | | | | | - | | _ | | | | | | |
|--------------------|----|----|----|----|----|----|-----|------------|------|------|-------------|----------------------|--|
| EDF VAR VO4-000 | | | | | | | Gen | erat | ed (| Code | | | B 9 16-Sep-1984 00:42:36 |
| | 00 | 3A | 54 | 55 | 50 | 54 | 55 | 4 F | 24 | 4 53 | 3 59 | 00 53 00 00 | 00181 |
| | | | | | | | | | | | | 00 00 00 | 0019C RMS_OUTPUT_ERROR: 0019C .BYTE 0 0019D .BLKB 3 001AO CONTROL_ZEE_TYPED: 001AO .BYTE 0 001A1 .BLKB 3 001A4 MAIN_CTRLZ: 001A4 .BYTE 0 |
| | | | | | | | | | | | | 01 C | 001AB MAIN_LEVEL: 001AB .BYTE 1 001A9 .BLKB 3 001AC QUESTION_TYPED: 001AC .BYTE 0 |
| | | | | | | | | | | | | | 00830 COEOR_PLOT: 00830 |
| | | | | | | | | | | | | | 02887 1 02888 BREAKPOINT LEFT: 02888 BREAKPOINT MID: 0288C BREAKPOINT MID: 0288C .BEKL 1 02890 BREAKPOINT RIGHT: 02890 .BEKL 1 |
| | | | | | | | | | | | | | 02894 DEPTHPOINT LEFT: 02894 .BEKL 1 02898 DEPTHPOINT MID: 02898 .BEKL 1 0289C DEPTHPOINT RIGHT: 0289C .BEKL 1 0289C .BEKL 1 0289C .BEKL 1 |
| | | | | | | | | | | | | | 028A0 BLKL 1 028A4 EXAMPOINT MID: 028A4 BLKL 1 028A8 EXAMPOINT RIGHT: 028A8 .BLKL 1 028AC NUMPOINT LEFT: 028AC .BLKL 1 |

EDF VO4

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028F4
02902
0299B
02990
029B0
02904
02908
029EC
02A00
02A14
85AS0
02A3C
02A50
02864
02A78
02A8C
02AA0
02AB4
02AC8
02ADC
02AF0
02B04
02B18
02B2C
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```
028B0 NUMPOINT_MID:
028B0 .BLKL
028B4 NUMPOINT_RIGHT:
028B4 .BLKL
028B8 PAGEPOINT_LEFT:
028B8 .BLKL
028BC PAGEPOINT MID:
028BC .BLKL
 028CC PAGEPOINT MID.
028CO PAGEPOINT RIGHT:
028CO .BLKL 1
028C4 GRAPH_TYPE:
028C4 .BLKL 1
028C8 CURRENT_GRAPH_INDEX:
028CR .BLKL 1
                               .BLKL
  028CC LAST_GRAPH_INDEX:
028CC .BEKL 1
  ÖZBÖÖ STEPS: .BIKI
  02804 Y LABEL: BLKB
                                               32
  028F4 PRIMARY WIDTH:
                               .SIGNED BYTE 0.6.3.16.15.4.7.4.4.5.7.3.6.7.6.5
02904
02904
SECONDARY_WIDTH:
02904
02912
02912
02920
9,8,6,12,8,11,7,11,12,11,16,17,16,9,11,12,-
0292E
0293C
0294A
02958
15,17,16,4,8,19,17,12,5,14,10,10,8,15,15,-
02958
02966
9,9,17,14,11,11,11,10,11,10,12,11,13,7,9,-
02974
02982
16,18,6,4,6,3,11,8,3,6,14,6,6,6
                               .BLKB
  0299C SECONDARY MAX:
                                              . CONG
                                               0.0.0.0.0.0.0.0.0.65535.0.0.0.0
```

```
16-Sep-1984 00:42:36
5-Sep-1984 13:39:37
                                                                                                                                                                            Page 35
                                                                                                                          VAX-11 Pascal V2.4-277
EDFVAR
V04-000
                                            Generated Code
                                                                                                                          DISKSVMSMASTER: [EDF.SRC]EDFVAR.PAS; 1 (4)
                                                                                                                  0.0.9999999999.0.0.0.0.0.0.0.0.0.0.254.100.-
99.99.0.254.99.100.254.0.0.255.3.255.-
16299.0.0.0.255.0.32240.0.0.0.0.0.0.0.0.0.0.0.-
          0000000
                       0000000
                                     3B9AC9FF
                                                   0000000
                                                                 0000000
                                                                                    02848
                                                                                                        .LONG
                                                                                    02B5C
                       0000000
                                     0000000
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          00000063
                       00000064
                                     000000FE
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                       00000063
                                     000000FE
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          00000064
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00003FAB
          00000003
                       000000FF
                                     0000000
                                                                 000000FE
                                                                                     02B98
          0000000
                       0000000
                                     0000000
                                                                 000000FF
                                     00007DF0
          00000000
                       0000000
                                                   0000000
                                                                 000000FF
                                                                                     02BC0.
                                                                                     02BD4
          00000000
                       0000000
                                     0000000
                                                   00000000
                                                                 0000000
                                                   0000000
                                                                 0000000
                                                                                     ÖŽBE8
                                     0000000
                                                                                     Q2BF8 PRI_SEQ:.SIGNED_BYTE 15,8,4,13,14,11,10,4,3,1,6,12,7,9,2,0
 09 07 00 06
                       01
                             03 04
                                        OA OB
                                                   0E
                                                        00
                                                              04
                                                                    08 OF
                                                                                    02006
02008 ANSI_RESET:
02008 .AS
                                                                         Õ2
                                                                    00
                                                              30
                                                                    5B
                                                                         18
                                                                                                        .ASCII <27>\[Om\
                                                         6D
                                                                                    OZCOC ANSI_BOLD:
                                                              31
                                                                    58
                                                                                                         .ASCII <27>\[1m\
                                                                         18
                                                                                     02000
                                                         6D
                                                                                    OZCIO ANSI_UNDERSCORE:
                                                                                     02010
                                                              34
                                                                    5B
                                                                                                                   <27>\[4m\
                                                         60
                                                                         18
                                                                                                        .ASCII
                                                                                     02C14 ANSI_BLINK:
                                                              35
                                                                                     02C14
                                                                                                         .ASCII <27>\[5m\
                                                                    5B
                                                                         1B
                                                         6D
                                                                                     02018 ANSI_REVERSE
                                                                                    02C18 .ASC
02C1C VID_STRING4:
                                                              37
                                                                                                                  <27>\[7m\
                                                                    58
                                                         6D
                                                                         18
                                                                                                         .ASCII
                                                                                     02010
                                                                                                         BLKB
                                                                                     02020 NULL_STRING4:
                                                                                     02020
                                                         00
                                                              00
                                                                    00
                                                                         00
                                                                                                                   <0><0><0><0><0>
                                                                                                         .ASCII
                                                                                     02C24 EMPTY_STRING:
02C24 .ASCI
                                                                                                                   \'"'\<0><0>
                                                                    90
                                                              00
                                                                                                        .ASCII
                                                                         09
                                                                                     02C28 SHIFT:
                                                         ÕÕ
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                                                                                                                   <9><0><0><0>
                                                                                                        .ASCII
                                                                                     OZCZC CRLF_SHIFT:
                                                                                    02021 .AS
02034 LOW_SHIFT:
02034 .BL
02037
                                        00
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                                                         00
                                                              09
                                                                    OA.
                                                                         00
                                                                                                        .ASCII
                                                                                                                 <13><10><9><0><0><0><0><0><0><0>
                                  00
                                             00
                                                                                                        .BLKB
                                                                                     02C38 MULL_CHAR:
                                                                                    02C38
02C39
                                                                                                        .BYTE
                                                                         00
                                                                                                        .BLKB
                                                                         09
                                                                                     02C3C TAB:
                                                                                                        .BYTE
                                                                                    02C3C TAB: .BYTE

02C3D .BLKB

02C40 ESCAPE: .BYTE

02C41 .BLKB

02C44 APOSTROPHE:

02C44 .BYTE

02C45 .BLKB

02C48 CONTROL_W:

02C48 .BYTE

02C49 .BLKB

02C4C CONTROL_Z:

02C4C .BYTE

02C4C .BYTE

02C4C .BLKB

02C4C .BLKB

02C4C .BLKB
                                                                         1B
                                                                                                                   ^A\'\
                                                                         27
                                                                                                                   3
                                                                         17
                                                                          14
                                                                                    02C50 QUESTION MARK:
02C50 BYTE
02C51 BLKB
                                                                                                                   ^A\?\
                                                                          3F
                                                                                                                   3
                                                                                    02C54 ERR_CHAR:
02C54
02C55
                                                                                                        .BLKB
                                                                                                                   3
                                                                                     ÖŽČŚŚ CONTROL_G:
OŽCŚŚ ...B
```

.BYTE

VAX-11 Pascal V2.4-277 Page 36 DISK\$VMSMASTER:[EDF.SRC]EDFVAR.PAS;1 (4)

.BLKB 3 .ASCII <13><10><0><0> 00 00 OA. Q0 00 00 00 02074 DEV_TYPE: 02C74 .BLKL 02C78 VIDEO_TERMINAL: 02C78 .BYTE 02C79 .BLKB 00 ž OZCZĆ VID_TERM: ŎŽĊ7C 02C80 SCREEN_FLAGS: 20 02080 .BLKB 02094 OUT_LINE: 02C94 02D95 .BLKB .LONG 00000001 02098 ONE: 0209C CHFFLAGS: .LONG 00000000 02D9C OZDAO FLAGS: .BLKB 02DA1 02DA4 TEMP_FDL3\$TYPE: .BLKB 02DA4 02DA7 OZDAB LINE_WIDTH: OZDAB .BLKL OZDAC LINES_PER_PAGE: OZDAC .BLKL 020B0 DEST_IS_TERMINAL: 020B0 .BLKB 02DB1 OZDB4 LINES_SHOWN: 02084 BLKL 1 02088 MINIMUN TERM WIDTH: 02DB8 LONG 80 02DBC MINIMUM_VIDEO_PAGE: 00000050 OZDBC .LONG OZDCO SCROLLING SET: OZDCO .BYTE 00000018 00 .BLKB 02DC1 02004 FULL_PROMPT: .BYTE 01 02004 020C5 BLKB 3
020C8 TEMP_FULL_PROMPT:
020C8 BYTE 0
020C9 BLKB 3 .BLKB 00 OZDCC ORIG_TIME: 02000 .BLKF

Mod EDT LBR LIB EDT CLI CLI SYS

```
F 9
EDFVAR
V04-000
                                                                                          16-Sép-1984 00:42:36
5-Sep-1984 13:39:37
                                                                                                                           VAX-11 Pascal V2.4-277 Page DISK$VMSMASTER: LEDF.SRCJEDFVAR.PAS;1 (4)
                                                                                                                                                                                       37
                                             Generated Code
                                                                                      02DD0 QUAD_TIME:
02DD0 .BLKB 8
02DD8 DEFAULT_PRIMARY:
02DD8 .BYTE 8
                                                                          08
                                                                                        DDO DEFAULT_PRINUM:
                                                                                     OZDEO COL ONE: LONG
OZDE4 LINE ONE:
OZDE4
                                                                  0000000
                                                                  00000001
                                                                  00000001
                                                                                      02DE8 LOWER_LINE:
02DE8 LONG
02DEC PROMPT_LINE:
                                                                  90000011
                                                                  00000017
                                                                                      02DEC LONG
02DFO PARAM_BLOCK:
                                                                                                         .BLKB
                                                                                        E14 SEC_ATTR:
 74 74 41 20
                                                                                                         .ASCII \ Secondary Attributes \<0><0>
                                                                                      02E2C EDFHLP_STRING:
02E2C ____ASCII \EDFHLP\<0><0>
                                                                                           34 IDENT_STRING:
                                        20
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                                              20
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44
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46
                       20
56
74
                             50
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64
                                                    20
20
                 20
41
6F
                                                                                                         .ASCII \
                                                                                                                                                      VAX-11 FDL Editor\
                                                                                      OZESC IDENT_STRING_LENGTH: 02E5C 40 02E60 QUES_HINT:
                                                                  00000028
                                                                     54
69
73
                                                                          28
60
64
                                                    65
20
                                                                                                         .ASCII \(Type "?" for list of Keywords)\<0>
                                   3F
20
                                                                                         80 EDF_HEADER:
                                                                                                         .ASCII \ VAX-11 FDL Editor \<0>
                                   20
                                                                                      02E94 CONTINUE TEXT:
02E94 ASCII
                                                    73
6F
72
00
                             45
6E
69
                                        20
74
4D
                  55
65
20
                       54
75
6E
                                  52
69
                                              73
6E
20
                                                         65
63
                                                               72
20
                                                                     50
6F
                                                                          20
74
                                                                                                                    \ Press RETURN to continue (^Z for Main M\-
 SE
6E
                                                                                                                     \enu) \<0><0><0>
                                                               66
20
                                   61
                                                                                      ÖZEBE
OZEC4 ISTATUS: BLKL
                                                                                      OZECS FAB_DUMMY:
OZECS .BI
                                                                                       DZECC RAB_DUMMY:
                                                                                      OZEČČ BIOCK:
                                                                                      OZED4 DEF_CURRENT:
                                                                  0000000
                                                                                      OZED8 DEF_SCRATCH:
                                                                  0000000
                                                                                      OZEDC DEF_HEAD:
                                                                  0000000
                                                                                      OZEEO DEF_TAIL:
                                                                                      OZEE4 DEF_SUCC:
                                                                  0000000
                                                                                      ÖZEE4 DEF_PRED:
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                                                                                                          .LONG
```

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16-Sep-1984 00:42:36
5-Sep-1984 13:39:37
                                                                DISKSVMSMASTER: [EDF.SRC]EDFVAR.PAS;1 (4)
OZEEB
OZEEC DEF_ANL_MEAD:
OZEEC LONG O
OZEFO DEF_ANL_TAIL:
OZEFO LONG O
OZEF4 DEF_SAVE_MEAD:
OZEF4 DEF_SAVE_TAIL:
OZEF8 DEF_SAVE_TAIL:
OZEF8 DEF_SAVE_TAIL:
OZEF8 OZEFC POINTING_AT_DEFINITION:
OZEFC BLKB 3
OZEFC .BYTE
OZEFD .BLKB
OZFOO FILE_CREATED:
OZFOO .BYTE
OZFO1 .BLKB
OZFO4 INPUT_DESC:
OZFO4 .BLKB
OZFOC INPUT_STRING:
OZFOC .BLKB
OZFOC .BLKB
0300C INPUT_VALUE:
0300C .BLKL
03010 INPUT_NUMBER:
 03010 .BLKL
03014 QUAD_DESC:
 03014 - .BLKB
                                                     9
 0301D
 03020 LINKED: .BLKB
 03021
03024 ACTIVE_AREA:
03024 .BLKL
03028 ACTIVE_PRIMARY:
03028 .BLKB
03029
0302C VARIABLE_RECORDS:
0302C .BLKB 1
0302D .3
03030 CUR_MAX_REC:
03030 .BLKL 1
03034 BYTES_PER_BUCKET:

03034 BUCKET_DEFAULT:

03038 BUCKET_DEFAULT:
USUSB BLKL 1
0303C PRIMARY_INDEX_BUCKETS:
```

03040 INIT_PRIMARY BUCKETS:

03000 ADDED_PRIMARY_BUCKETS:

03140 INIT_NUMBER BUCKETS: 03140 .BLRL 32

03140 ADDED_NUMBER_BUCKETS: 03100 .BLKL 32 .BLKL

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.BLKB
                                                               OPTIMIZING:
                                                                        .BLKB
                                                               VISIBLE_QUESTION:
                                                                        .BLKB
                                                         03200 WAIT_HELP:
                                                         032D0
                                                                        .BLKB
                                                         03204 QTAB:
03208
                                          0000000
                                                                        .LONG
                                                                        .BYTE
                                          00000000
0000000
                     0000000
                               00000000
          00000000
                                                                        .LONG
                                                                                0.0.0.0.0.0
                                          0000000
                                                                        .BYTE
                                          0000000
00000000
          0000000
                     00000000
                               00000000
                                                                        .LONG
                                                                                0.0.0.0.0.0
                                          0000000
                                                                        .BYTE
                                          0000000
                                                                                0.0.0.0.0.0
0000000
          00000000
                     00000000
                               00000000
                                                                        .LONG
                                          0000000
                                                                        .BYTE
                                          0000000
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          00000000
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                               00000000
                                                                        .LONG
                                                                                0.0.0.0.0.0
                                          0000000
                                                                        .BYTE
                                          00000000
                     00000000
                               00000000
                                                                                0,0,0,0,1
00000000
          00000000
                                                                        .LONG
                                                                        .BYTE
                                          0000000
                                                                                0,-99,99,0,0,1
                     00000063
0000000
          00000000
                               FFFFFF9D
                                                                        .LONG
                                          00000001
                                                                        .BYTE
                                          0000000
                                                                                0,-99,99,0,0,1
0000000
          0000000
                     0000063
                               FFFFFF9D
                                                                        .LONG
                                          00000001
                                                                        .BYTE
                                          0000000
                                                                                0,-99,99,0,0,2
0000000
          00000000
                     00000063
                               FFFFFF9D
                                                                        .LONG
                                          00000002
                                                                        .BYTE
                                          00000001
                                                                                1,0,0,0,0,2
0000000
          00000000
                     00000000
                               00000000
                                                                        .LONG
                                          00000002
                                                                        .BYTE
          00000000
                     00000000
                               00000000
                                          00000001
                                                                        .LONG
                                                                                1.0.0.0.0.2
0000000
                                                         033BA
                                          00000002
                                                                        .BYTE
                               00000000
                                          00000001
                                                                                1.0.0.0.0.2
                     00000000
                                                                        .LONG
00000000
          0000000
                                          00000002
                                                                        .BYTE
                                                                                0.0.0.0.2
                     00000000
                               00000000
                                          0000000
                                                                        .LONG
0000000
          00000000
                                          00000002
                                                                        .BYTE
                                                                                0,0,0,0,0,2
                     00000000
                               0000000
                                          0000000
                                                                        .LONG
0000000
          00000000
                                          00000002
                                                         0341D
                                                                        .BYTE
                                                                                1,0,0,0,0,2
0000000
          00000000
                     00000000
                                00000000
                                          00000001
                                                                        .LONG
                                          00000002
                                                                        .BYTE
                                                01
                     0000000
                                0000000
                                          0000000
                                                                        .LONG
                                                                                0.0.0.0.0.2
00000000
          00000000
                                          00000002
```

9

16-Sep-1984 00:42:36 5-Sep-1984 13:39:37

| 00000000 | 00000000 | 00000000 | 00000000 | 00000000 | 0344F 03450 | .BYTE .LONG | 0.0.0.0.2 |
|----------|----------|----------|----------|----------------------|-------------------------|----------------|-----------------------------|
| | | | | 00000002 | 03464 03468 | .BYTE | 1 |
| 00000000 | 00000000 | 00000000 | 00000000 | 00000000 0000002 | 03469 0347D | .LONG | 0.0.0.0.0.2 |
| 00000000 | 00000000 | 00000000 | 00000000 | 00000001 | 03481 03482 | .BYTE .LONG | 1 1.0.0,0,0.2 |
| 0000000 | 0000000 | 0000000 | 0000000 | 00000002 | 03496 | | 1,0,0,0,0,2 |
| 00000000 | 00000000 | 00000000 | 00000000 | 01 00000000 | 0349A 0349B | .BYTE .LONG | ¢.0.0.0.2 |
| 0000000 | | | | 00000005 | 034AF | | 1 |
| 00000000 | 0000000 | 00000000 | 0000000 | 00000000 | 034B3 034B4 | .BYTE .LONG | 0.0.0.0.0.2 |
| | | | | 00000002 01 | 034C8 034CC | .BYTE | 1 |
| 0000000 | 0000000 | 0000000 | 0000000 | 00000000 | 034CD | LONG | 0,0,0,0,0,3 |
| | | | | 00000003 01 | 034E1 034E5 | .BYTE | 1 |
| 0000000 | 00000000 | 3B9AC9FF | 0000001 | 00000003 | 034E6 | LONG | 3,1,999999999,0,0,3 |
| | | | | 00000003 01 | 034FA 034FE | .BYTE | 1 |
| 0000000 | 0000000 | 0000000 | 0000000 | 0000000 | 034FF | LONG | 0 ,0,0,0,0,3 |
| | | | | 00000003 01 | 03513 03517 03518 | .BYTE | 1 |
| 0000000 | 0000000 | 3B9AC9FF | 0000000 | 00000000 | 03518 | LONG | 0.0.999999999.0.0.3 |
| | | | | 00000003 01 | 0352C 03530 | .BYTE | 1 |
| 0000000 | 0000000 | 3B9AC9FF | 00000000 | 00000000 | 03531 | LONG | 0,0,999999999,0,0, 3 |
| | | | | 00000003 01 | 03545 03549 0354A | .BYTE | 1 |
| 00000000 | 0000000 | 3B9AC9FF | 00000000 | 000186A0 | 0354A | LONG | 100000,0,999999999,0,0,3 |
| | | | | 00000003 01 | 0355E 03562 | .BYTE | 1 |
| 0000000 | 0000000 | 000003F | 0000001 | 00000020 | 03563 | LONG | 32,1,63,0,0,4 |
| | | | | 00000004 01 | 03563 03577 03578 | .BYTE | 1 |
| 0000000 | 00000000 | 00000000 | 00000000 | 00000001 | 0357C | LONG | 1.0.0.0.4 |
| | | | | 00000004 01 | 03590 03594 | .BYTE | 1 |
| 0000000 | 00000000 | 00000000 | 00000000 | 00000009 | 03595 | LONG | 9,0,0,0,0,3 |
| | | | | 00000003 01 | 035A9 035AD | .BYTE | 1 |
| 0000000 | 00000000 | 000000FF | 00000001 | 00000002 | 035AE 035C2 | LONG | 2,1,255,0,0,4 |
| | | | | 00000004 01 | 035C6 035C7 | .BYTE | 1 |
| 0000000 | 00000000 | 00000000 | 00000000 | 00000003 00000004 | 035C7 035DB | .LONG | 3.0.0.0.4 |
| | | | | 01 | 035DF | .BYTE | 1 |
| 0000000 | 00000000 | 00000000 | 00000000 | 00000003 00000003 | 035E0 035F4 | .LONG | 3,0,0,0,0,3 |
| | | | | 01 | 035f8 | .BYTE | 100 0 100 0 3 7 |
| 00000000 | 00000000 | 00000064 | 00000000 | 00000064 00000003 | 035F9 0360D | .LONG | 100,0,100,0,),3 |
| 0000000 | 0000000 | 00000044 | 0000000 | 01 | 03611 | .BYTE | 1 50 0 100 0 0 7 |
| 00000000 | 00000000 | 00000064 | 00000000 | 00000032 | 03612 03626 | .LONG | 50,0,100,0,0,3 |
| | | | | | - - | | |

| | | | | A4 | 07/34 | Au | 4 |
|----------|----------|----------|----------|----------------------------------|---|----------------|---------------------------|
| 00000000 | 00000000 | 00000064 | 00000000 | 01 00000064 0000003 | 0362A 0362B 0363F 03643 | .BYTE .LONG | 100,0,100,0,0,3 |
| 0000000 | 00000000 | 0000FFFF | 00000000 | 00 00000000 00000004 | 03643 03644 03658 | .BYTE .LONG | 0,0,65535,0,0,4 |
| 0000000 | 00000000 | 00000000 | 00000000 | 01 00000002 0000003 | 0365C 0365D 03671 | .BYTE .LONG | 1 2.0.0.0.0.3 |
| 0000000 | 00000000 | 3B9AC9FF | 00000000 | 00000000 00000000 00000003 | 03675 03676 0368A 0368E | .BYTE .LONG | 0.0.999999999.0.0.3 |
| 0000000 | 00000000 | 3B9AC9FF | 00000000 | 00000000 00000000 00000003 | 0368E 0368F 036A3 | .BYTE .LONG | 1 0.0.999999999.0.0.3 |
| 0000000 | 00000000 | 3B9AC9FF | 0000000 | 01 000186A0 | 036A7 036A8 | .BYTE | 1 100000,0,999999999,0,0, |
| 0000000 | 00000000 | 00007DF0 | 00000000 | 00000003 01 00000000 | 036BC 036C0 036C1 | .BYTE .LONG | 1 0,0,32240,0,0,3 |
| 0000000 | 00000000 | 00000000 | 00000000 | 00000003 01 00000001 | 036D5 036D9 036DA | .BYTE .LONG | 1 |
| | | | | 00000003 01 | 036EE 036F2 | .BYTE | 1 255.0.0.0.0.3 |
| 0000000 | 00000000 | 00000000 | 00000000 | 000000FF 00000003 00 | 036F3 03707 0370B | .LONG .BYTE | 0 |
| 0000000 | 00000000 | 00000000 | 00000000 | 00000000 00000004 01 | 0370C 03720 03724 | .LONG .BYTE | 0.0.0.0.0.4 |
| 0000000 | 00000000 | 00000000 | 00000000 | 00000021 00000004 01 | 03725 03739 | .LONG .BYTE | 33,0,0,0,0,4 |
| 0000000 | 00000000 | 00000000 | 00000000 | 00000000 00000003 | 03724 03725 03739 0373D 0373E 03752 | .LONG | 0.0.0.0.0.3 |
| 0000000 | 00000000 | 00000000 | 00000000 | 00 00000000 00000003 | 03756 03757 0376B | .BYTE .LONG | 0.0.0.0.3 |
| 0000000 | 00000000 | 00007DF0 | 00000001 | 00 00000000 00000003 | 0376F 03770 03784 | .BYTE .LONG | 0 0,1,32240,0,0,3 |
| 0000000 | 0000000 | 3B9AC9FF | 00000000 | 01 00000000 | 03788 03789 | .BYTE .LONG | 1 0.0.999999999.0.0.3 |
| 0000000 | 00000000 | 000000FF | 00000001 | 00000003 01 00000001 | 03788 03789 03790 037A1 037A2 037B6 037BA | .BYTE .LONG | 1 1,1,255,0,0,3 |
| 0000000 | 00000000 | 3B9AC9FF | 00000000 | 00000003 00 0000000 | U3/BB | .BYTE .LONG | 0 |
| 0000000 | 00000000 | 00000003 | 00000000 | 00000003 01 00000003 | 037CF 037D3 037D4 | .BYTE | 1 3,0,3,0,0,4 |
| | | | | 00000004 01 | 037E8 037EC | .BYTE | 1 |
| 00000000 | 00000000 | 00000000 | 00000000 | 00000000 00000004 | 037ED 03801 | .LONG | 0.0.0.0.4 |

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12 A t LIN LIB EXE

0392A

03AA0

03AAE

03930 RDATA:

0395C BDATA:

0396A 03975 03978 IDATA:

VDATA:

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.LONG

.LONG

.BLKF

.BYTE

.BLKB .BLKL

.BYTE

SIGNED_WORD O

.SIGNED_BYTE 14,2 .LONG 0

0,0,0,0

```
16-Sép-1984 00:42:36
5-Sep-1984 13:39:37
EDFVAR
                                                                                                   VAX-11 Pascal V2.4-277 Page 43 DISK$VMSMASTER:[EDF.SRC]EDFVAR.PAS;1 (4)
V04-000
                                    Generated Code
                                     00
00
00
                                          00
00
00
                                                                     03ABC
03ACA
03AD8
                                                                                              00
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                                                                     03ADF
                                                                     03AEO TEMP_STRING255:
                                                                     03AEO
                                                                                     .BLKB
                                                                     03BDF
                                                                     03BEO TEMP_DESCRIPTOR:
                                                                     03BEO
                                                                                     .BLKB
                                                                     OBBER QUERY_FLAG:
                                                                     03BE8
                                                                                     .BLKB
                                                                     03BE9
                                                                     OBEC LOW KEY: LONG
                                                     00000000
                                                     0000000
                                                                     03BF0
                                                                                     .LONG
                                                                     03BF4 LOW_AREA:
                                                     0000000
                                                                     03BF4
                                                                                     .LONG
                                                                     03BF8 HIGH_AREA:
                                                     00000000
                                                                     03BF8
                                                                                     .LONG
                                                                     03BFC FOUND_AREA:
                                                            00
                                                                     03BFC
                                                                                     .BYTE
                                                                     03BFD
                                                                                     .BLKB
                                                                                              Ž
                                                                     OSCOO FOUND_KEY
                                                            00
                                                                     03000
                                                                                     .BYTE
                                                                     03C01
                                                                                     .BLKB
                                                                     03C04 FOUND_0:.BYTE
                                                            00
                                                                     03C05
                                                                                              3
                                                                                     .BLKB
                                                                     03COS MAX_KEY_SIZE:
                                                                     03C08
                                                                                     .BLKL
                                                                     03COC MIN_KEY_SIZE:
                                                                     03C0C
                                                                                     .BLKL
                                                                     03C10 SEGMENT_WANTED:
                                00
                                     00
                                         00
                                              00
                                                   00
                                                       00
                                                            00
                                                                     03010
                                                                                     .BYTE
                                                                                              0,0,0,0,0,0,0,0
                                                                     03C18 SEGMENT_POSITION:
                                                                     03C18
                                                                                     .BLKL
                                                                     03038 SEGMENT_LENGTH:
                                                                     03C38
                                                                                     .BLKL
                                                                     03C58 SEGMENT_NUMBER:
                                                                     03C58
                                                                     03C5C BUCKET_OVERHEAD:
                                                                     03C5C
                                                                                     .BLKL
                                                                     03C60 MIN_BUCKET:
                                                                     03060
                                                                     03C64 ENTRY_SIZE:
                                                                     03064
                                                                                     .BLKL
                                                                     03C68 LOWMAX: .BLKL
                                                                     03C6C EXTRA: BLKL
03C70 CUR_MAX_FIXED:
                                                                     03070
                                                                                     .BLKL
                                                                     03C74 MAX_STRING ANSWER_LENGTH: 03C74 .BCKL 1
                                                                     03C74 .BI
03C78 OLD_COUNT:
03C78 .BI
                                                                     03070 GLOBAL_SET:
                                                                     03C7C
03C7D
                                                                                     .BLKB
                                                                     03CBO NUMBER_KEYS_SET:
```

EXE

Mod

EDT

ED1

ED1

ED1 ED1 ED1 ED1 ED1 ED1 ED1

ED1

ED1

| EDFVAR V04-000 | Generated Code | M 9 16-Sep-1984 00:42:36 |
|-------------------|--------------------------|--|
| | 00 | 03C80 .BYTE 0 03C81 .BLKB 3 03C84 ISAM_ORG: |
| | | 03C84 .BLKB 1 03C85 .3 03C88 MAX_KEY_POSITION: |
| | | 03C8C TEMP_REAL: 03C8C |
| | | 03C90 TEMP_STATUS: 03C90BLKL 1 |
| | | 03C94 TEMP_INT2: 03C94 |
| | 0000 02 0E 0000000 | 03C9C |
| | | 03CA4 TEST: .BLKB 64 03CE4 FULL_CHOICE: 03CE4 .BLKB 1 |
| | 88888880 | 03CE5 3 03CE8 SEC_TYPE: 03CE8 .FIELD 1:0,1:0,1:0,1:0,1:0,1:0,1:1,1:0,1:0,- |
| | 0000001 | 03CEC 1:0,1:1,1:0,1:0,1:0,1:0,1:0,1:0,1:0,1:1,- 03CEC 1:0,1:0,1:0,1:0,1:0,1:0,1:0,1:0,- 03CFO 1:0,1:1,1:1,1:0,1:0,1:0,1:0,1:0,1:0,- |
| | 00000000 | 03CF0 1:0,1:0,1:0,1:0,1:0,1:0,1:0,1:0,1:0,- 03CF0 1:0,1:0,1:0,1:0,1:0,1:0,1:0,1:0,- 03CF0 1:0,1:0,1:0,1:0,1:0,1:0,1:0,1:0,- |
| | 88282000 | 03CF4 1:0,1:0,1:0,1:0,1:0,1:0,1:0,1:0,1:0,-03CF4 1:0,1:0,1:0,1:0,1:0,1:0,1:0,-03CF4 1:0,1:0,1:0,1:0,1:0,1:0,1:0,1:0,-03CF4 1:0,1:0,1:0,1:0,1:0,1:0,1:0,1:0,-03CF4 1:0,1:0,1:0,1:0,1:0,1:0,1:0,1:0,-03CF4 1:0,1:0,1:0,1:0,1:0,1:0,1:0,1:0,-03CF4 1:0,1:0,1:0,1:0,1:0,1:0,1:0,1:0,-03CF4 1:0,1:0,1:0,1:0,1:0,1:0,1:0,1:0,1:0,1:0, |
| | 82288202 | 03CF4 |
| | 88888288 | 03CFC 1:0,1:0,1:1,1:0,1:0,1:1,1:0,1:1,1:0,1:1,-0,1:1,1:0,1:1,-0,1:1,1:0,1:1,-0,1:0,1:1,-0,1:0,1:1,-0,1:0,1:1,-0,1:0,1:1,-0,1:0,1:1,-0,1:0,1:1,-0,1:0,1:1,-0,1:0,1:1,-0,1:0,1:1,-0,1:0,1:1,-0,1:0,1:1,- |
| | 88882288 | 03000 |
| | 88888828 | 03D04 1:0,1:1,1:0,1:0,1:0,1:0,1:0,1:0,1:0,- 03D04 1:0,1:1,1:0,1:0,1:0,1:1,1:0,1:0,1:1,- 03D04 1:0,1:0,1:0,1:1,1:0,1:0,1:1,1:0,1:1,- |
| | 11118888 | 03008 03008 1:0,1:0,1:0,1:0,1:0,1:0,1:0,1:0,1:0,1:0, |
| | 18822282 | 0300C 1:0,1:0,1:0,1:0,1:0,1:0,1:0,1:0,1:0,1:0, |
| | 82228888 | 03010 |
| | | 03D14 03D14 1:0,1:0,1:0,1:0,1:0,1:0,1:0,1:1,1:0,1:0, |

EXE

EXE Mod ---

Pascal Compilation Statistics

B 10 16-Sep-1984 00:42:36 5-Sep-1984 13:39:37

VAX-11 Pascal V2.4-277 Page 46 DISK\$VMSMASTER: LEDF. SRCJEDFVAR. PAS; 1 (4)

EXE

Mod

COMMAND QUALIFIERS

PASCAL/MACHINE/NODEBUG/NOCHECK/LIS=LIS\$:EDFVAR/OBJ=OBJ\$:EDFVAR MSRC\$:EDFVAR

/CHECK=(NOBOUNDS,NOCASE_SELECTORS,NOOVERFLOW,NOPOINTERS,NOSUBRANGE)
/DEBUG=(NOSYMBOLS,NOTRACEBACK)
/ENVIRONMENT= \$255\$DUA28: [EDF.OBJ]EDFVAR.PEN; 1
/LIST= \$255\$DUA28: [EDF.LIS]EDFVAR.LIS; 1
/OBJECT= \$255\$DUA28: [EDF.OBJ]EDFVAR.OBJ; 1
/NOCROSS_REFERENCE /ERROR_LIMIT=30 /NOG_FLOATING /MACHINE_CODE /NOOLD_VERSION /OPTIMIZE /NOSTANDARD /WARNINGS

COMPILER INTERNAL TIMING

Phase **faults** CPU Time Elapsed Time 00:03.8 00:00.4 Initialization 732 00:14.5 Source Analysis 00:02.3 00:05.3 Source Listing 41 Tree Construction 00:00.0 00:00.0 0 Flow Analysis 00:00.0 00:00.0 Profit Analysis Ŏ 00:00.0 00:00.0 Context Analysis Ó 00:00.0 00:00.0 Name Packing Ŏ 00:00.0 00:00.0 00:00.0 Code Selection Ŏ 00:00.0 106 00:08.2 Final TOTAL 976 00:20.5 02:57.4

COMPILATION STATISTICS

CPU Time: 00:20.5 (4706 Lines/Minute)

CPU Time: 00:20.5 Elapsed Time: 02:57.4 Page faults: 976 Compilation Complete //36/ idea (Mt. A.)

0129 AH-BT13A-SE

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